CDX-5N61W

SERVICE MANUAL

US Model

SPECIFICATIONS

The player

Laser Diode Properties	Material: GaAlAs Wavelength: 780 nm Emission duration: Continuous Laser Output power: Less than 44.6 μW* * This output is the value measured at a distance of 200 nm from the objective lens surface on the Optical Pick-up Block.
Frequency response	20 Hz–20,000 Hz ± 3 dB
Wow and flutter	Below measurable limit

Power section and others

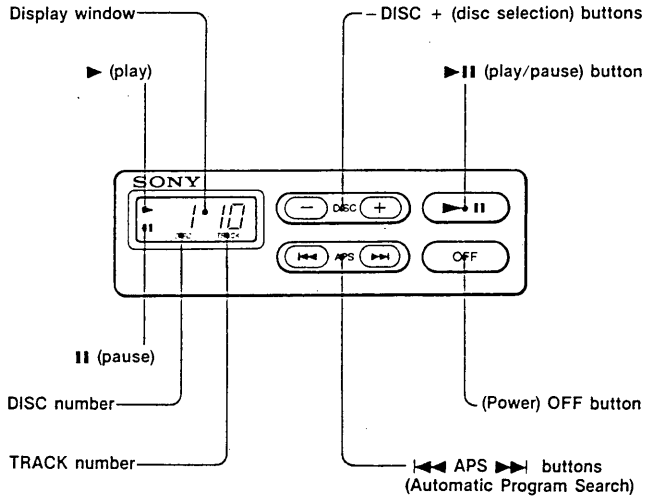
Power requirements and voltage	Car battery, negative ground 13.2 V (10.8–15.6 V) DC
Supplied accessories	Disc Magazine (1)

Design and specifications subject to change without notice.

Features

- 740 minutes maximum continuous play with 10 discs
- Remote control operation
- Ability to choose any track from any disc

Identifying the Parts



Note
The buttons and display window light up when ignition is on.
The display window lights up during play only.

GENUIN NISSAN PARTS CAR AUDIO
PART No. B8182-C9968

COMPACT DISC PLAYER

SONY®

使用時は添付資料も参照のこと
Refer to the additional documents

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SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1
SERVICING NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs a laser. Therefore, be sure to follow carefully the instructions below when servicing.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

1. Laser Diode Properties
   - Material: GaAlAs
   - Wavelength: 780 nm
   - Emission Duration: continuous
   - Laser Output: max. 44.6 μW*

     * This output is the value measured at a distance of about 200 mm from the objective lens surface on the Optical Pick-up Block.

2. During service, do not take the Optical Pick-up Block apart, and do not adjust the APC circuit. If there is a breakdown in the APC circuit (including laser diode), replace the entire Optiocal Pick-up Block (including APC borad).

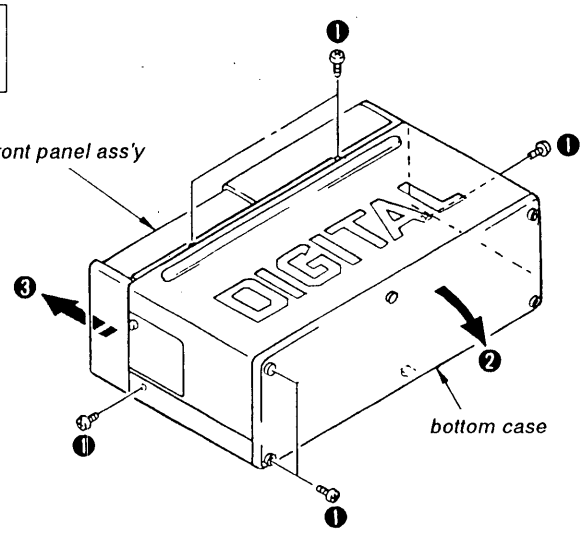
SECTION 2
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

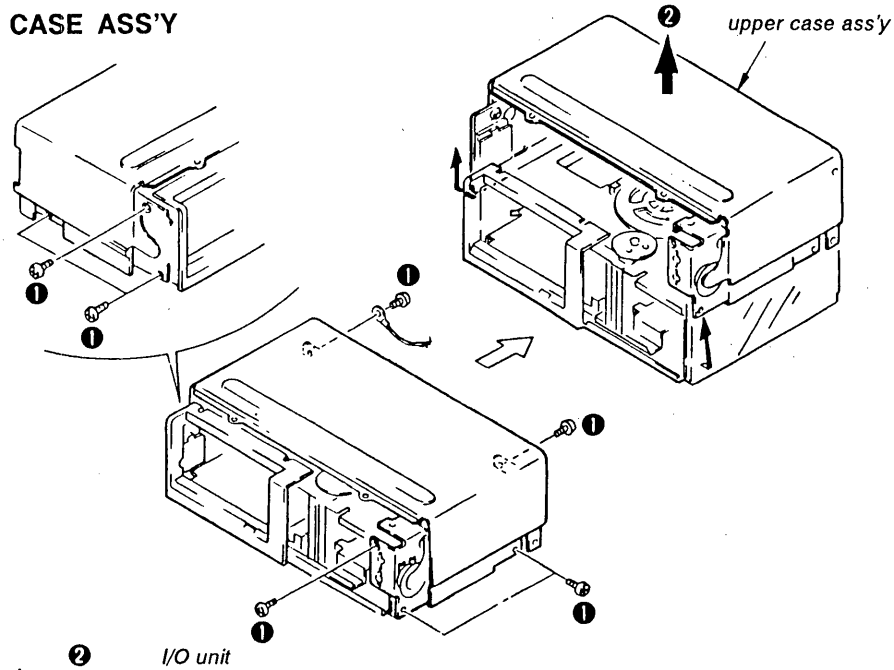
Remove I/O unit by removing three +B3 × 12 screws.

BOTTOM CASE

Remove thebottom case first before removing the front panel ass'y.

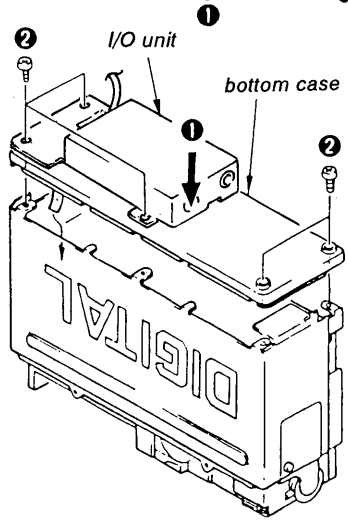


UPPER CASE ASS'Y



[NOTE ON ASSEMBLY]

First assemble the bottom case and I/O unit before assembling the front panel ass'y.



SECTION 3
MECHANICAL ADJUSTMENTS

[LARGE ELEVATOR GEAR POSITION (LOCATION 10.5) ADJUSTMENT]

1. Move the middle elevator gear in the arrowed direction and place the top plate at the position where there are no clearances between the bottom face of the top plate and the top edges of the three claws.

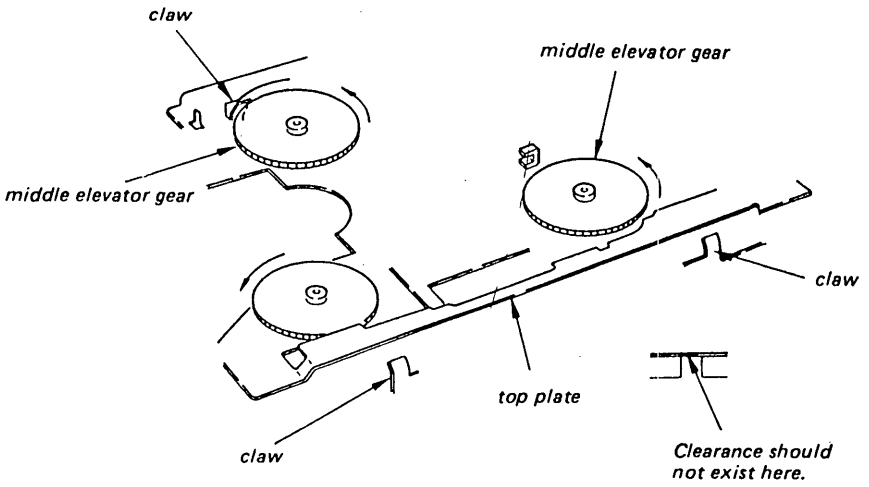
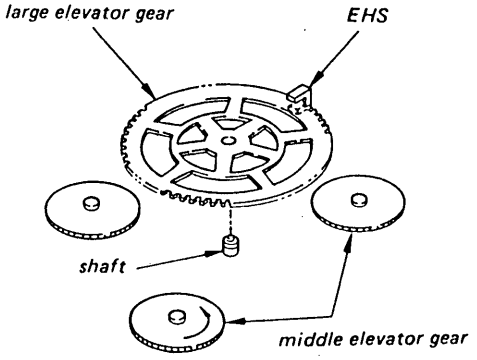
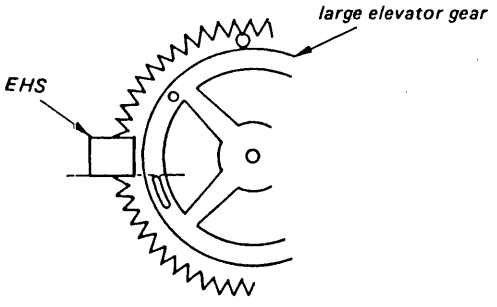


Fig. 1

2. Put the large elevator gear on the shaft of the top plate taking care not to move the middle elevator gears. The large elevator gear should be fastened by the top plate and EHS protrusion and should position in the relationship with the EHS as shown in Fig. 1.
3. After the placing, fix the large elevator gear with a retaining ring.





Edge of EHS protrusion and edge of protrusion on the large elevator gear should be aligned as shown.

Fig. 2

[HOMING ADJUSTMENT]

Note: 1. The mechanism section should be completely assembled.

2. Control the mechanism with the main unit XR-7300.

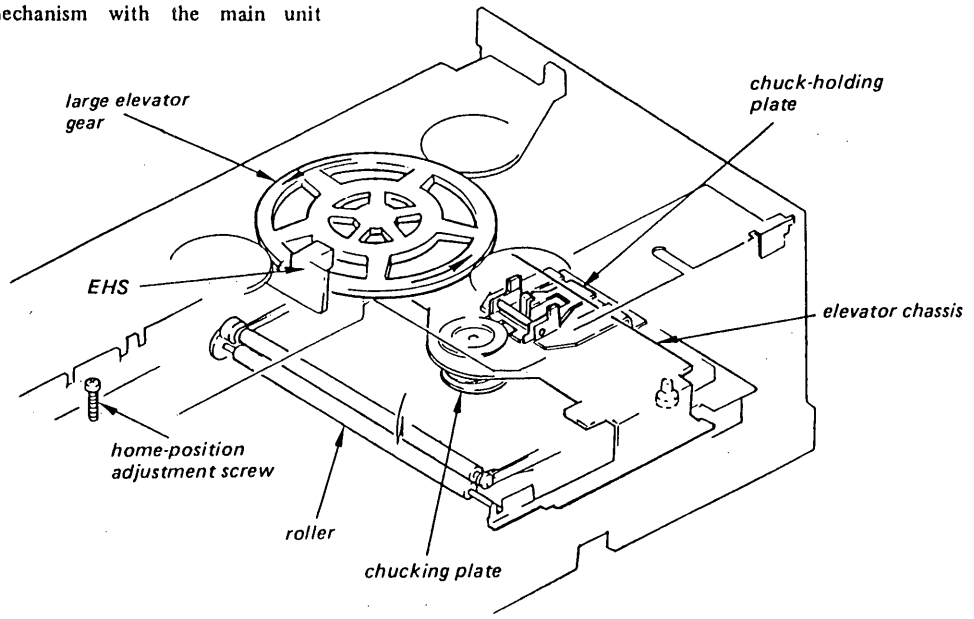


Fig. 3

1. Put the disk magazine containing several disks in the changer.
2. Initialize the changer.
3. Pull off the first disk.
4. Wait until the elevator lowers down to the home position.
5. Move the large elevator gear so that the clearance between the inner edge face of the chucking plate and edge of the top face of the stainless chuck-holding plate becomes in 1.5 mm (1/16 inches) as shown in Fig. 4.
6. Make a dot marking on the large elevator gear as shown in Fig. 5.
7. Re-put the first disk in the disk magazine.
8. Pull off the first disk again. The dot marking made in the step 6 above should position as shown in Fig. 5.
9. Fine adjust the position of the large elevator gear with the home-position adjustment screw shown in Fig. 3.

Adjustment Screw Position	Large Elevator Gear Position Displacement
One (1) turn in clockwise	15 (fifteen) degrees clockwise
One (1) turn in counterclockwise	15 (fifteen) degrees counterclockwise

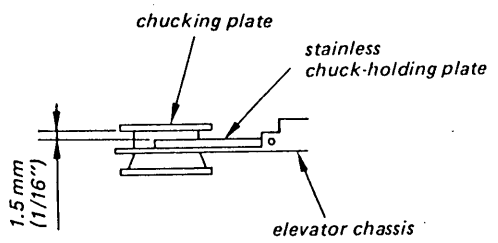
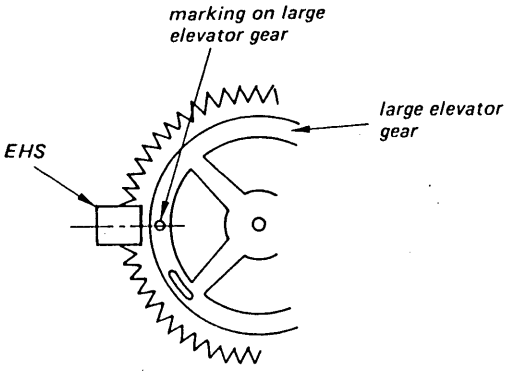


Fig. 4



Note:
Make a marking near and on the center line of the EHS sensor.

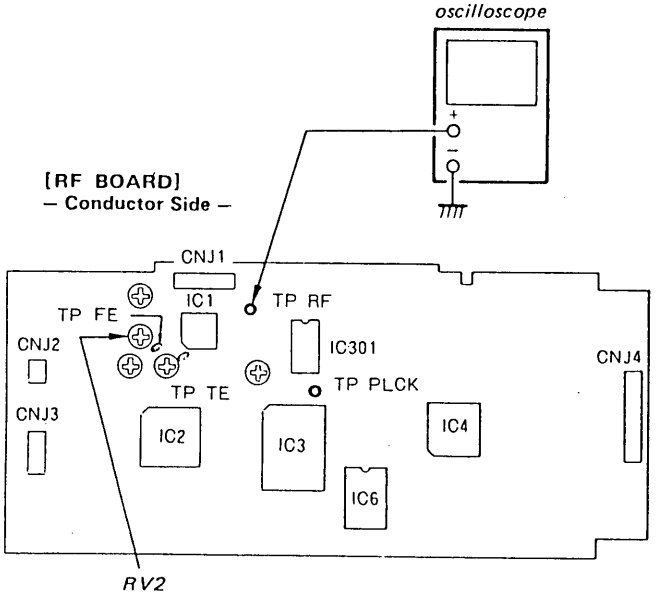
Fig. 5

SECTION 4
ELECTRICAL ADJUSTMENTS

1. Perform adjustments as given.
2. Be sure to use the disc "YEDS-18" parts code: 3-702-101-01, but only when indicated.
3. Power supply voltage: DC 14.4 V (more than 2A).

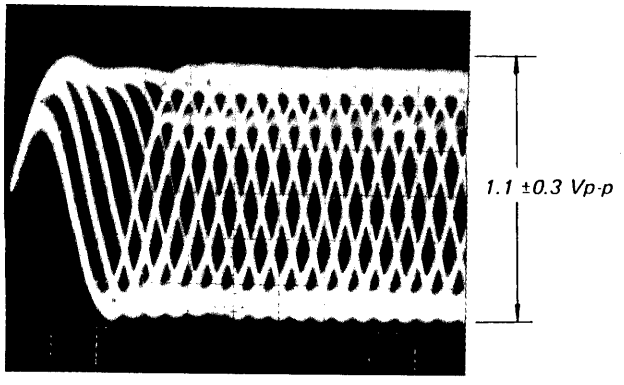
1. Focus Offset Adjustment

Procedure:



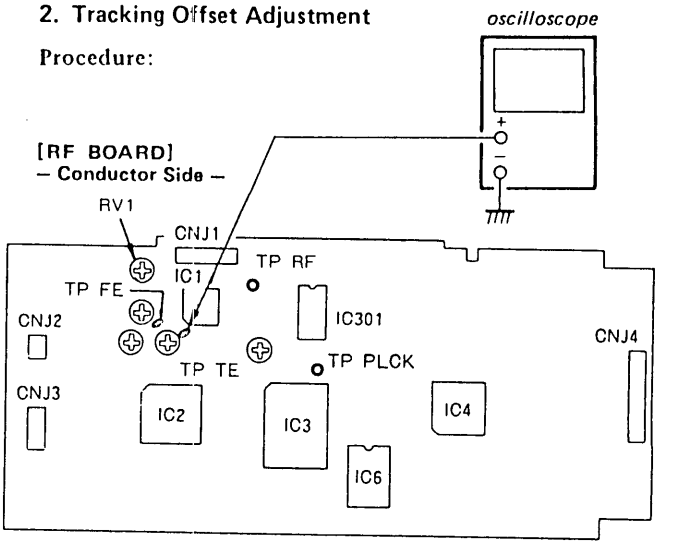
1. Connect the oscilloscope to RF board test point [EYE].
2. Put the set into play mode by loading the disc.
3. Adjust (RF board) RV2 so that the oscilloscope. waveform eye pattern is good.
   (A good eye pattern means that the diamond shape (◇) in the center of the oscilloscope can be clearly distinguished.)

Volt/Div: 200 mV
Time/Div: 0.5 µSec



2. Tracking Offset Adjustment

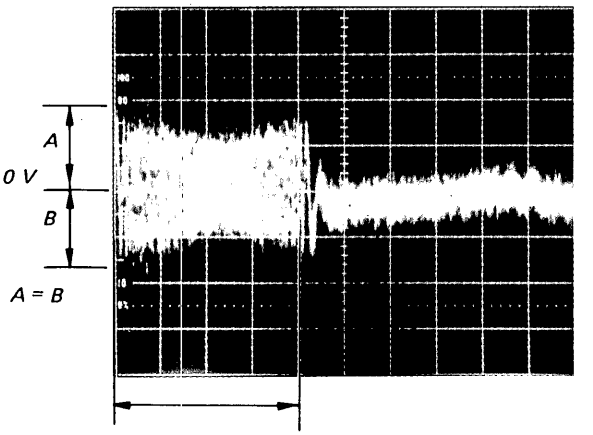
Procedure:



1. Connect the oscilloscope to RF board test point [TRGA], pin (1) of IC1.
2. Put the set into play mode by loadlng the disc.
3. Press the ⏮ AMS ⏭ button, then check the traverse waveform*.
4. Adjust RV1 (RF board) so that oscilloscope reading is symmetrical in relationrelation to 0 V.

*Traverse waveform: This is the tracking error waveform appears when crossing the track.

Volt/Div: 0.5 V
Time Div: 2 mSec
Center 0 V



traverse waveform
(100 track jump waveform)

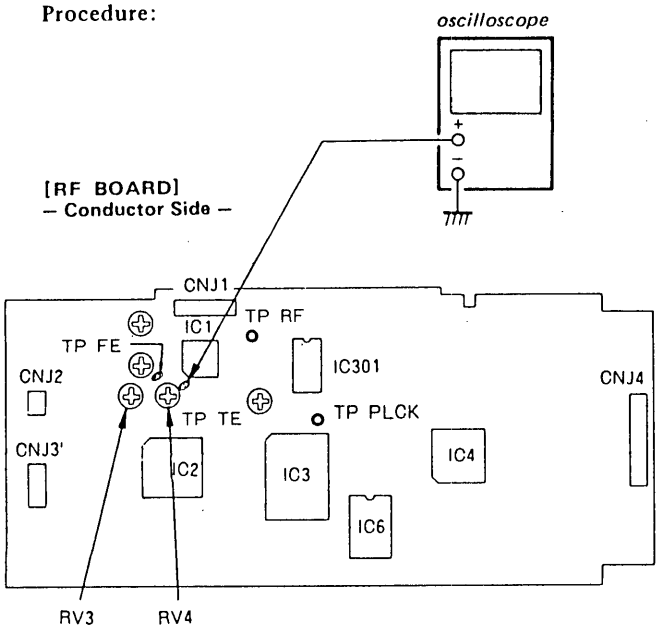
3. Tracking Gain Adjustment (coarse adjustment)

This adjustment is to be performed when replacing the following parts.

- Optical Pick-up Block
- RV4

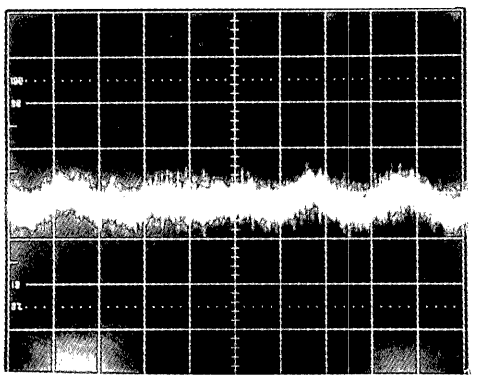
This adjustment should be performed after focus offset and tracking offset adjustments are completed.

Procedure:

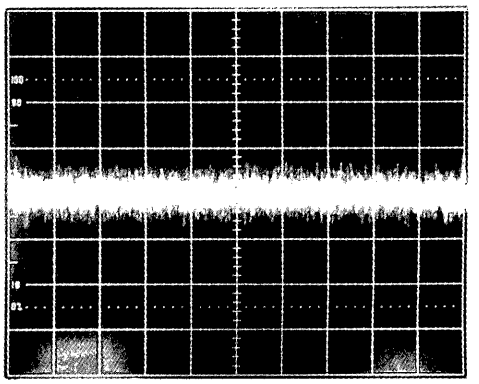


1. Connect the oscilloscope to RF board test point TRGA.
2. Put the set into play mode by loading the disc.
3. Turn RF board RV4 from clockwise stop, then check the oscilloscope waveform.
   Fix RV4 at the position where the waveform disappears.

Volt/Div: 0.5 V
Time/Div: 2 mSec

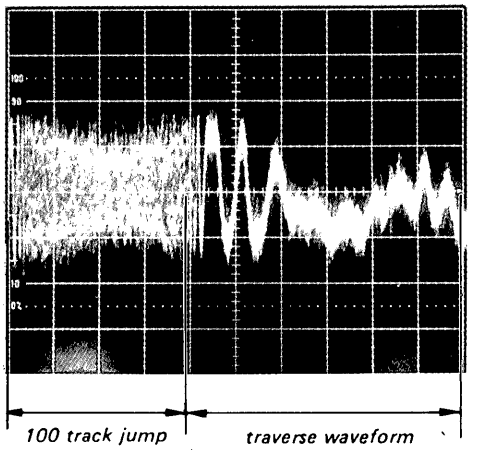


waveform when the wave appears



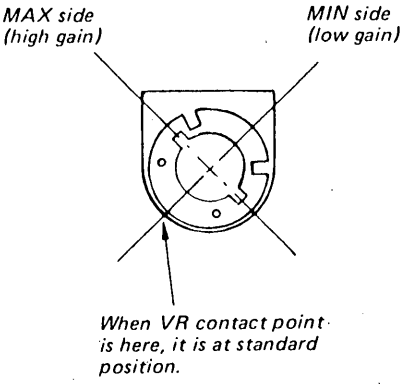
waveform when the wave disappeared

- When gain is lowered . . .
  When selecting by pressing ⏮ AMS ⏭ button, brake application is poor because of low tracking gain. Therefore, the traverse waveform appears after the 100 track jump waveform, then the selection will be located slowly.



100 track jump waveform *traverse waveform*

- When gain is highered . . .
  Operation noise is heard due to a scratch or dust, then operation will be instability.



RV3 standard position

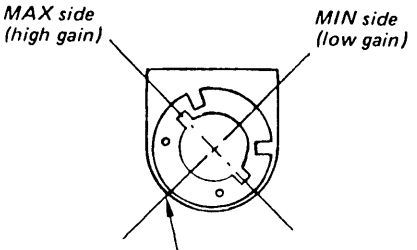
4. Focus Gain Adjustment (coarse adjustment)

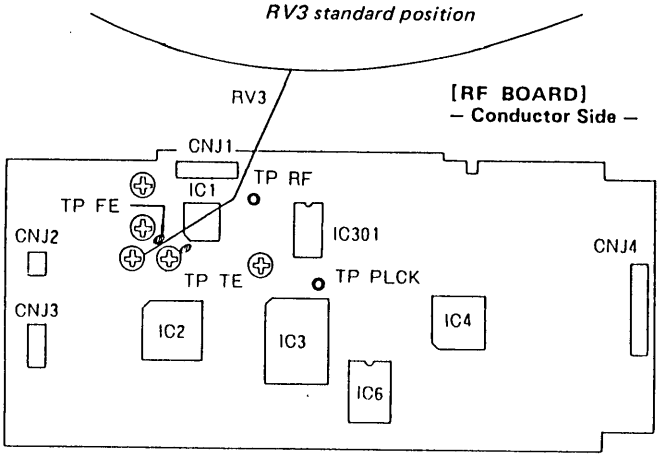
This adjustment is to be performed when replacing the following parts.

- Optical Pick-up Block
- RV3

Procedure:

1. Set RV3 (RF board) to the standard position.
2. Check that there is not an abnormal amount of operation noise (white noise) from the 2-axis devise. If there is, turn RV3 slightly clockwise.



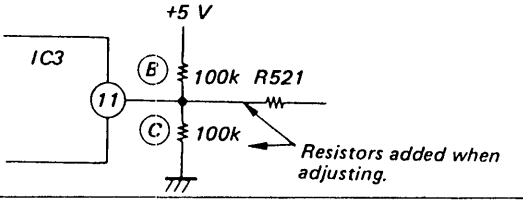


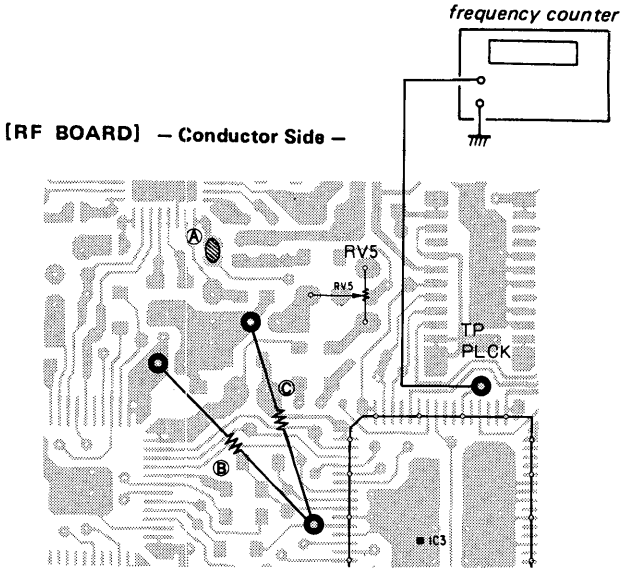
- **When gain is highered . . .**
  The set does not play because of no focus operation.
- **When gain is highered . . .**
  Operation noise is heard due to a scratch or a dust, then operation will be unstable.

5. PLL Freerun Frequency Adjustment

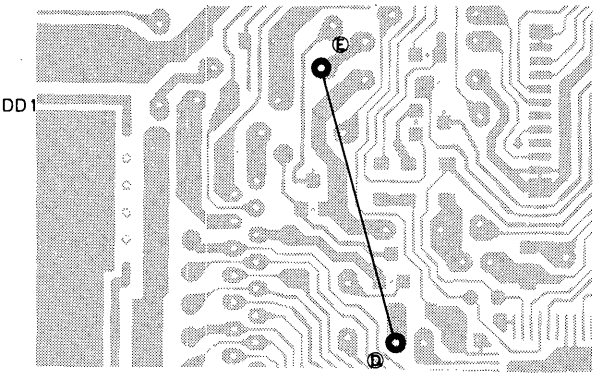
Procedure:

1. Unsolder the solder bridge at Ⓐ.
   (IC3 pin ⑤ is opened)
2. Connect 100 kΩ resistors to Ⓑ, Ⓒ.
   (This is to set the IC3 pin ⑪ voltage to 2.5 V)
3. Install a test jumper wire between Ⓓ and Ⓔ on the jack board to pull up the P/C terminal of the DC-DC converter ⊖.
4. Connect the frequency counter to RF board test point PLCK (IC3 pin ⑦⓪).
5. Turn the power switch on (Do not use the disc), then adjust RV5 so that the frequency is 4.3218 MHz ±10 kHz.
6. After adjusting, reset 1, 2 and 3 as original.





[JACK BOARD] – Conductor Side –



SECTION 5
DIAGRAMS

5-1. RF PRINTED WIRING BOARD

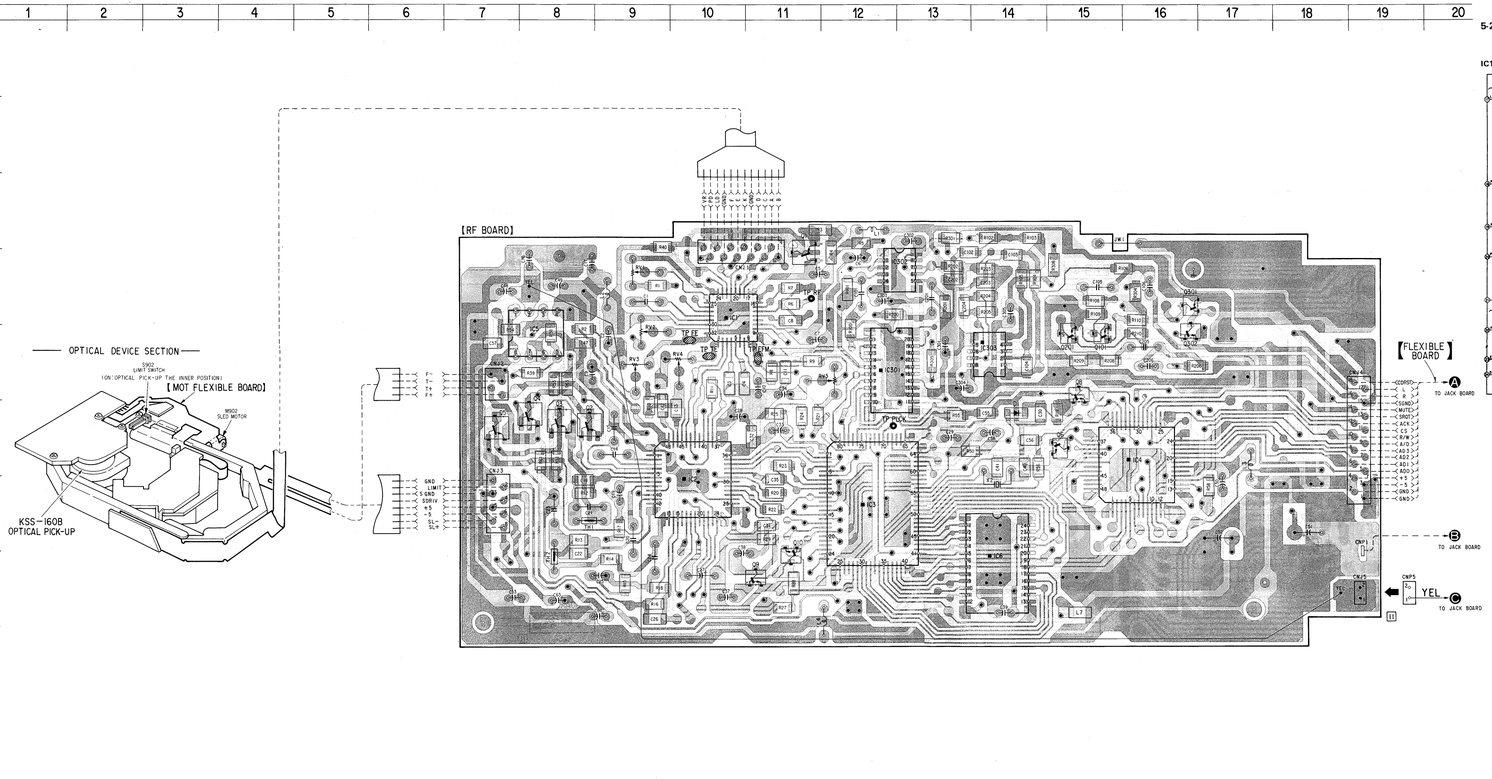
- **See pages 19 to 21 for Schematic Diagram.**
- **See page 22 for Semiconductor Lead Layouts.**

Note:

- ○——: parts extracted from the component side.
- ●——: parts extracted from the conductor side.
- ●: Through hole.
- ▒: Pattern on the side which is seen.
- ▒: Pattern of the rear side.

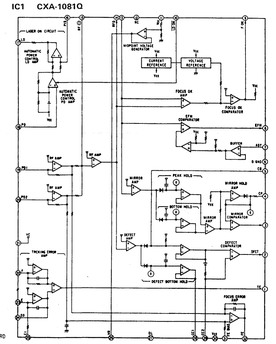
● Semiconductor Location

Ref. No.	Location
D1	F-14
IC1	D-10
IC2	G-10
IC3	G-12
IC4	F-16
IC5	E-8
IC6	H-14
IC301	E-12
IC302	D-13
IC303	E-14
Q1	D-11
Q2	F-8
Q3	F-8
Q4	F-8
Q5	F-7
Q6	F-15
Q8	E-15
Q9	H-11
Q10	H-11
Q101	E-15
Q201	E-15
Q301	D-16
Q302	E-16

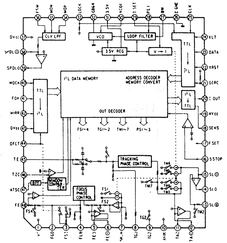


5-2. IC BLOCK DIAGRAMS

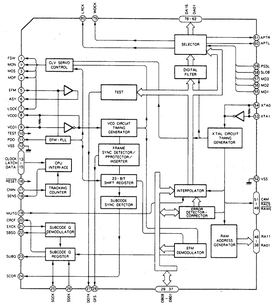
IC1 CXA-1081Q



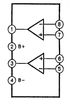
IC2 CXA1082BQ



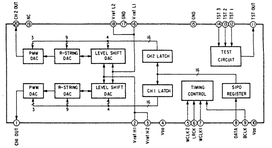
IC3 CXD1130Q



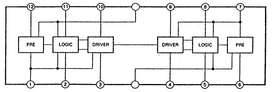
IC5 L272M



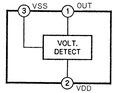
IC301 CXD1161M-2



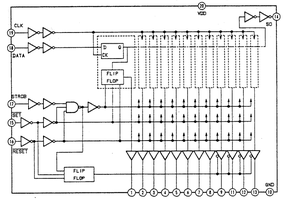
IC501, 507 LB1649



IC502 S-8054HN-CB-S



IC503 CX-7991



5-3. OTHER PRINTED WIRING BOARDS

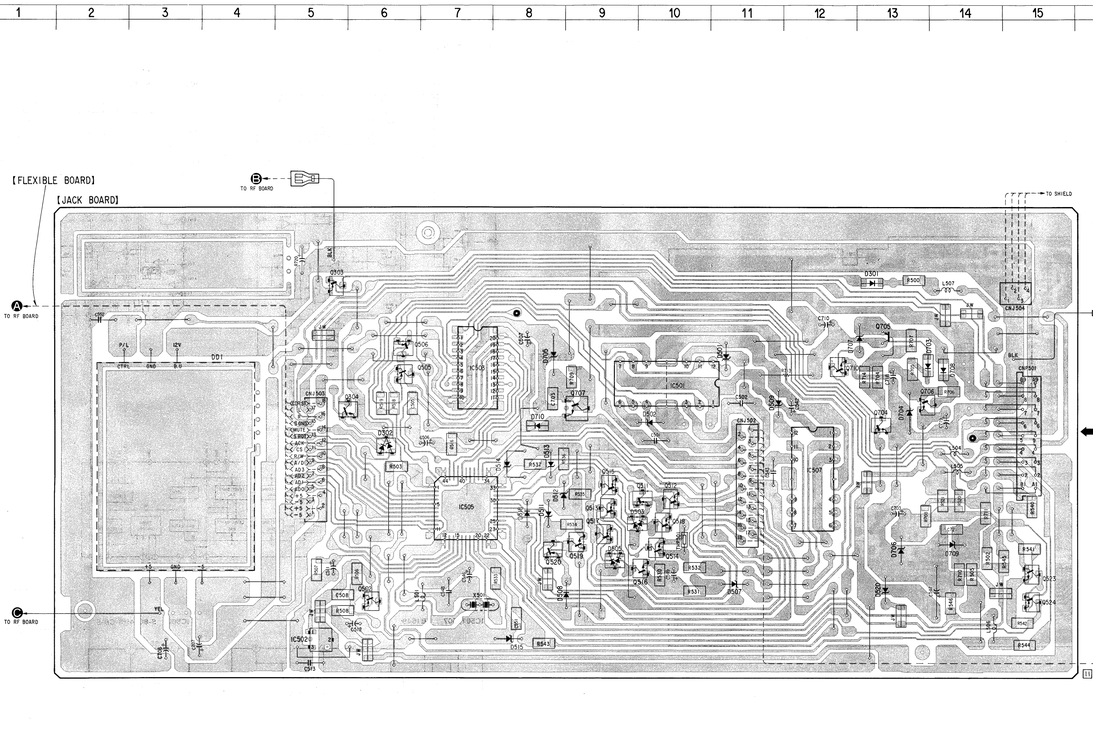
- See pages 9 to 11 for RF Printed Wiring Board.
- See page 22 for Semiconductor Lead Layouts.

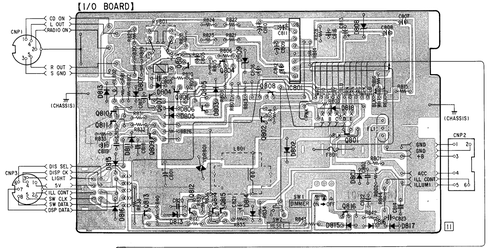
Note:

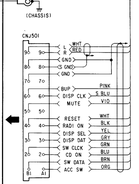
- ○——: parts extracted from the component side.
- ●——: parts extracted from the conductor side.

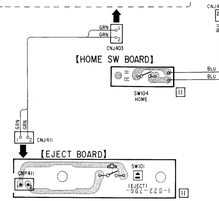
• Semiconductor Location

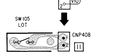
Ref. No.	Location	Ref. No.	Location
D301	D-13	IC501	E-10
D302	F-6	IC502	I-5
		IC503	E-7
D401	D-28	IC505	G-7
D402	I-29	IC507	G-12
D403	G-22	IC801	B-20
D404	G-21		
D405	G-21	Q303	D-5
D501	E-11	Q304	F-6
D502	F-10	Q401	I-29
D503	G-10	Q402	D-28
D505	H-9	Q403	B-23
D507	H-11	Q502	H-6
D508	H-9	Q505	E-6
D509	F-11	Q506	E-6
D511	G-8	Q511	G-10
D512	G-9	Q512	G-10
D513	F-8	Q513	G-9
D514	G-8	Q514	H-10
D515	I-8	Q515	G-9
D518	G-8	Q516	H-10
D520	H-13	Q517	G-9
D703	E-14	Q518	G-10
D704	F-13	Q519	H-9
D705	E-8	Q520	H-8
D706	H-13	Q523	H-15
D707	E-13	Q524	H-15
D708	E-14	Q704	F-13
D709	H-14	Q705	E-13
D710	F-8	Q706	F-14
D801	C-21	Q707	F-9
D802	C-20	Q710	E-12
D803	B-19	Q801	C-21
D804	B-18	Q802	B-19
D805	C-18	Q803	B-18
D806	B-18	Q804	B-19
D807	B-18	Q805	B-19
D808	A-21	Q806	B-18
D809	B-19	Q807	B-18
D811	C-18	Q808	B-19
D813	B-17,D-18	Q809	C-18
D814	D-19	Q810	B-17
D815	C-17,D-20	Q811	C-17
D816	D-17,21	Q812	D-18
D817	D-21	Q813	D-18
D818	B-20	Q814	D-19
		Q815	D-19
		Q816	D-20

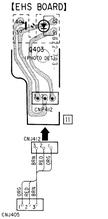


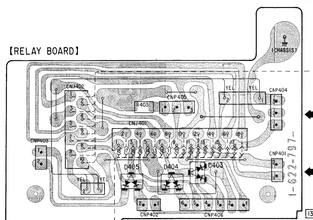


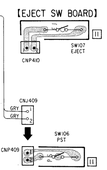


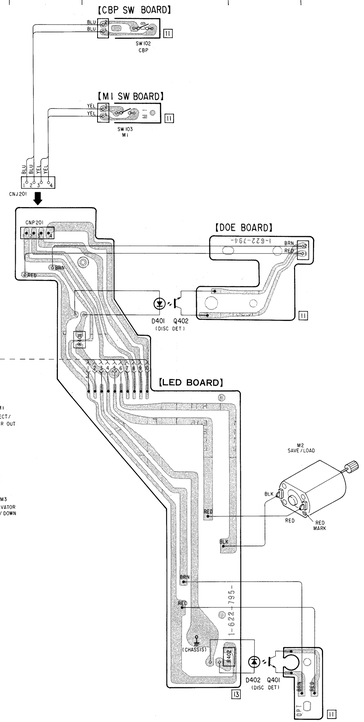










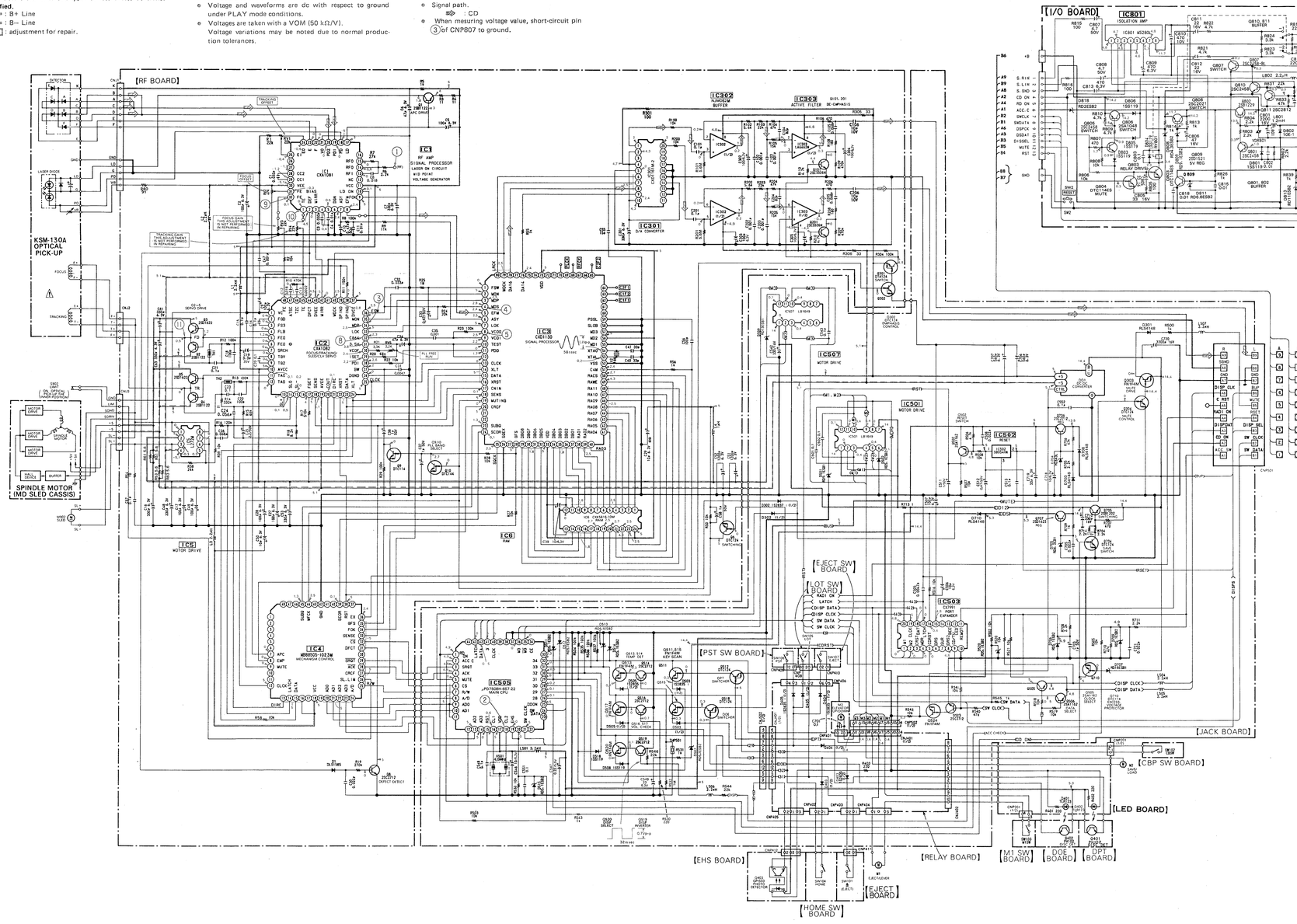


Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ⟐ ═══ : B+ Line
- ⟐ ═══ : B– Line
- ⟐ ▭ : adjustment for repair.

- ⟐ Power voltage is dc 14.4 V and fed with regulated dc power supply from CNJ1.
- ⟐ On measuring the voltage value, connect JW1 (S GND) on RF board to the chassis ground surely.
- ⟐ Voltage and waveforms are dc with respect to ground under PLAY mode conditions.
- ⟐ Voltages are taken with a VOM (50 kΩ/V). Voltage variations may be noted due to normal production tolerances.
- ⟐ Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- ⟐ Circled numbers refer to waveforms.
- ⟐ Signal path.
  - ▷▷ : CD
- ⟐ When mesuring voltage value, short-circuit pin ③ of CNP807 to ground.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.



- Semiconductor Lead Layouts

CXA1081Q

2SB1202-R

PH102-L

CXA1082BQ
MB88505H-1023M

DTC114ES
2SC2458-Y

HZ6A2L
10E-2

CXD1130Q

2SA1175-HFE

TLR123

MARKING SIDE VIEW

CXD1161M-2
CX-7991

GP-1S03

CXK5816M-12L

DLS1585
RLS4148

RD13ES-B1
RD18ES-B1
RD5.1ES-B2
RD6.2ES-B2
RD9.1ES-B1
1SS119

LA6462M
NJM-062M

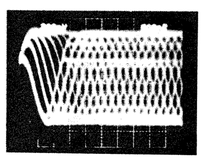
μPD7508HG-657-22

5-5. IC503 CX7991 PIN FUNCTION DESCRIPTION

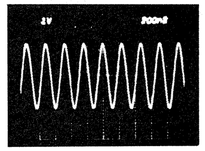
Pin No.	Description
1 – 8	Parallel output terminal. The internal register status is loaded and output using a strobe signal. When a set signal is input, "1" is output. When a reset signal is input, "0" is output.
9, 11 – 13	Parallel output terminal. The internal register status is loaded and output using a strobe signal. When a set or reset signal is input, the output becomes high impedance. The output is then enabled using a strobe signal.
10	GND
14	Serial data output terminal.
15	Set signal input terminal. Becomes active when low. When this pin is set low, the latch is set and "1" is output to pins 1 through 8 irrespective of the internal register status. Pins 9, 11, 12, and 13 then becomes high impedance.
16	Reset signal input terminal. Becomes active when low. When this pin is set low, the latch is reset and "0" is output to pins 1 through 8 irrespective of the internal register status. Pins 9, 11, 12, and 13 then becomes high impedance.
17	Strobe signal input terminal. Becomes active when high. When this pin is set high, the internal register status is shifted to the latch status.
18	Serial data input terminal. The external serial data is input.
19	Clock signal input terminal. Data is loaded when the system is initiated.
20	Power supply

5-6. WAVEFORMS

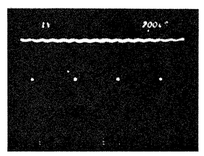
❶ IC1 pin ⑭



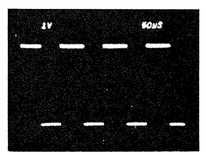
❷ IC505 pin ⑱



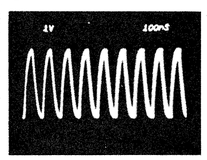
❸ IC2 pin ㉞, IC3 pin ③



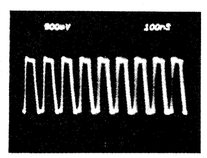
❹ IC3 pin ④



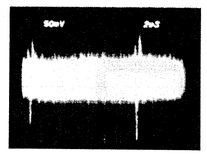
❺ IC3 pin ⑧



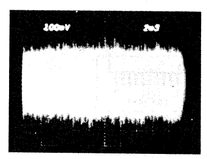
❽ IC2 pin ㉜



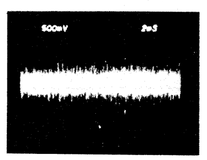
❾ IC1 pin ㉜



❿ IC1 pin ①



⓫ Q2, 3 emitter

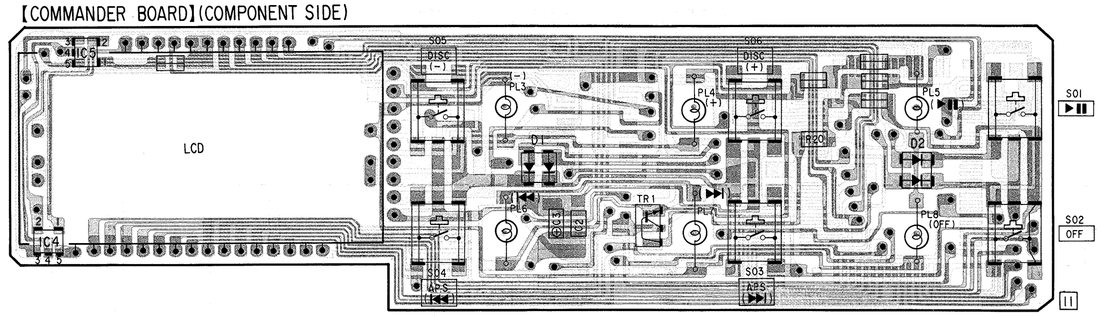


5-7. REMOTE COMMANDER SECTION PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAM

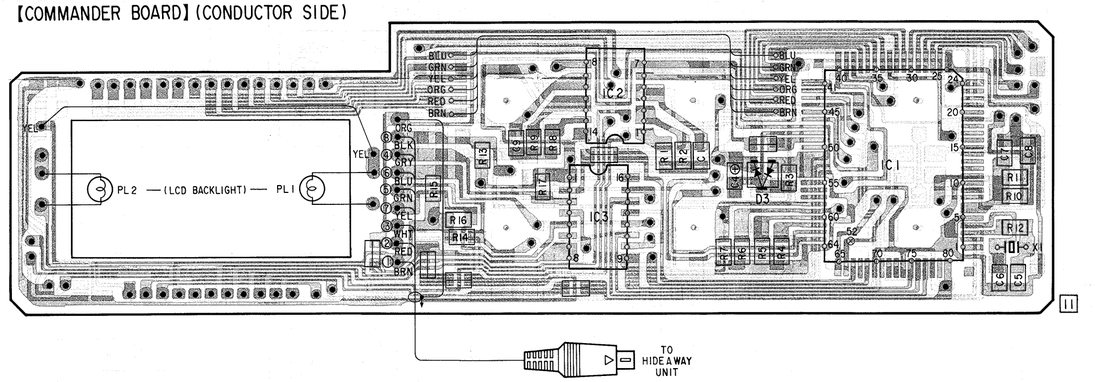
Note:

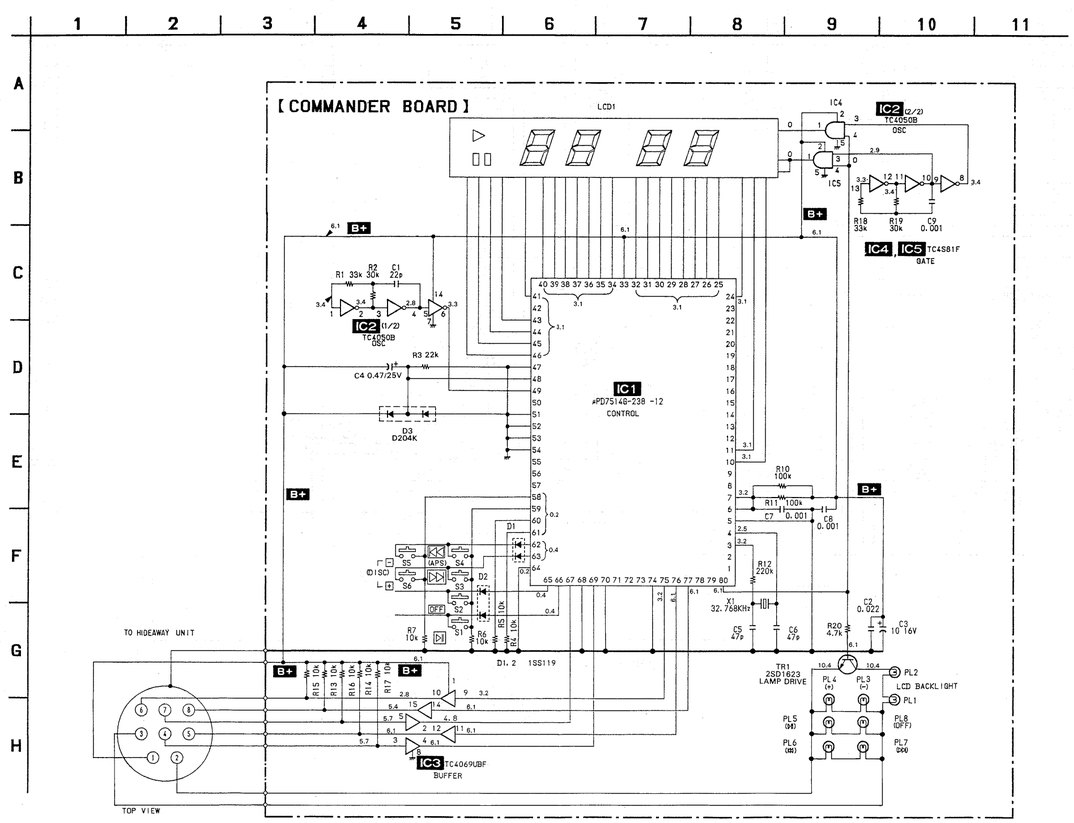
- ○—— : parts extracted from the component side.
- ●—— : parts extracted from the conductor side.
- ● : Through hole.
- ▒▒ : Pattern on the side which is seen.
- ▒▒ : Pattern of the rear side.

【COMMANDER BOARD】(COMPONENT SIDE)



【COMMANDER BOARD】(CONDUCTOR SIDE)



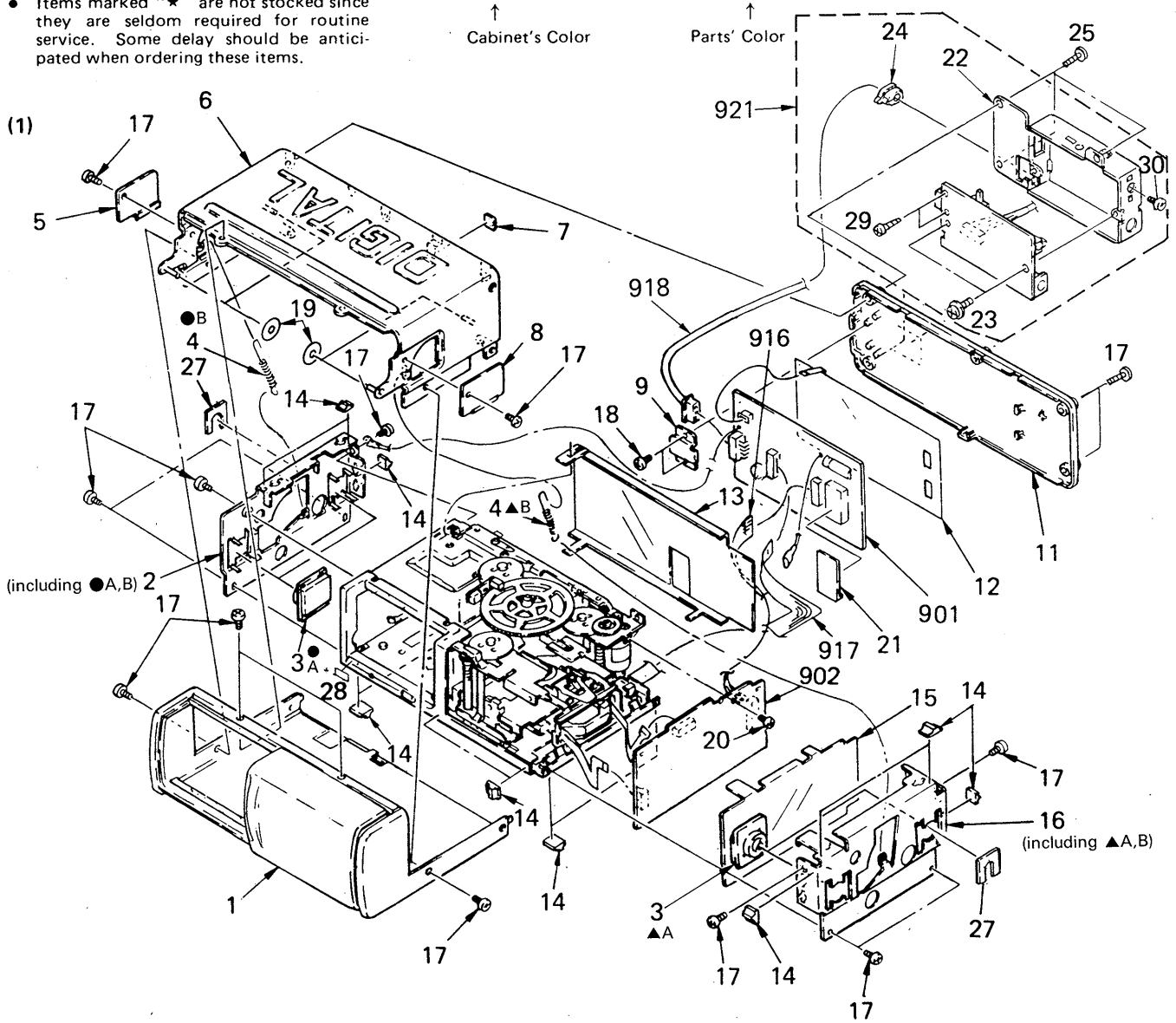


SECTION 6
EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ Cabinet's Color ↑ Parts' Color

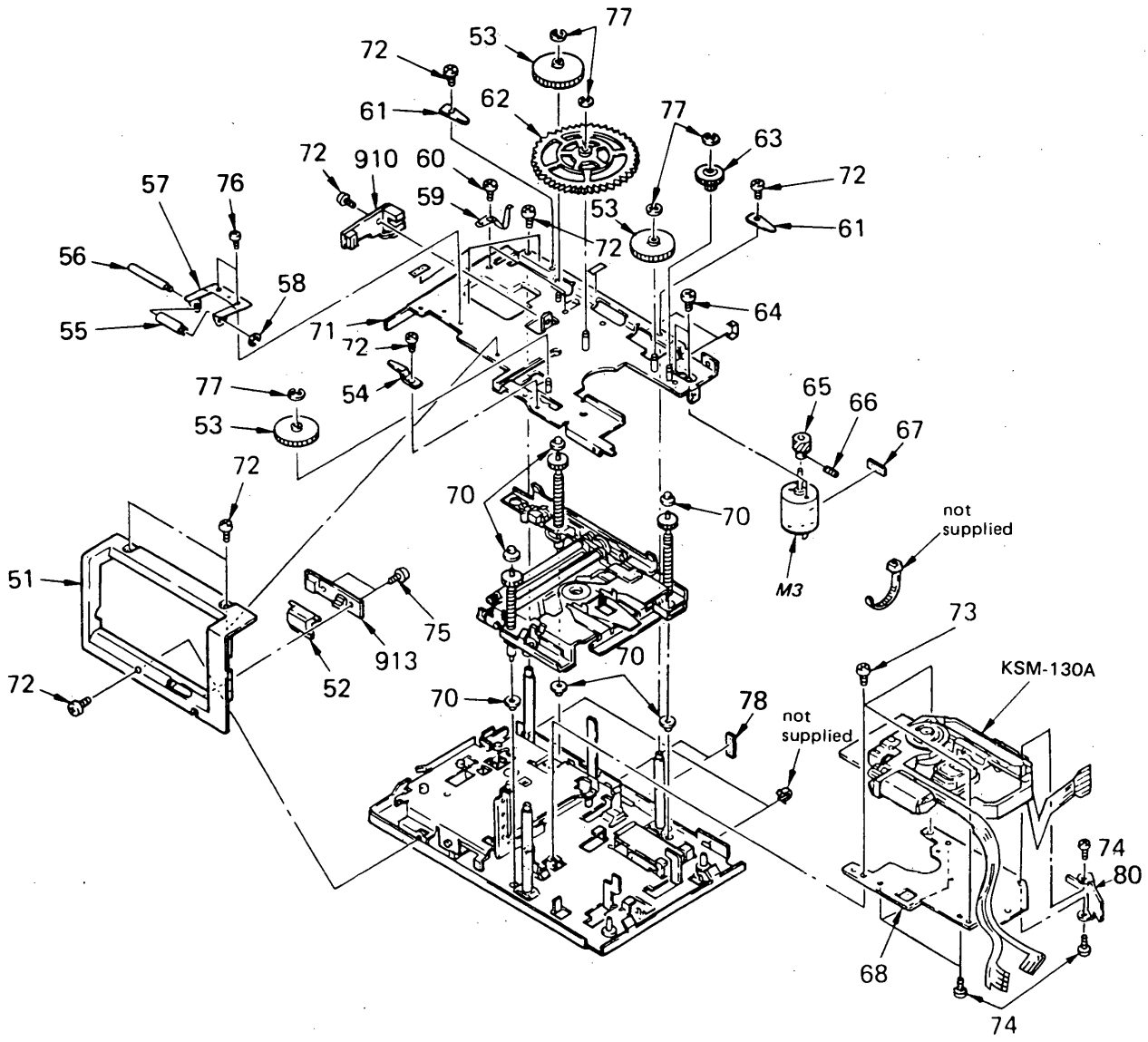
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.



No.	Part No.	Description	Remarks
1	X-3329-591-1	PANEL ASSY, FRONT	
2	*X-3320-598-1	BRACKET (LEFT), ASSY	
3	3-348-583-01	DAMPER (OIL)	
4	3-348-584-01	SPRING (FLOATING), TENSION	
5	*3-333-069-01	COVER (LEFT), SIDE	
6	X-3329-583-1	CASE ASSY, UPPER	
7	3-831-441-11	CUSHION	
8	*3-333-070-01	COVER (RIGHT), SIDE	
9	3-333-065-01	RETAINER, 18P CONNECTOR	
10	*3-348-577-01	LABEL, MODEL NUMBER	
11	*3-333-078-03	CASE, BOTTOM	
12	*3-348-726-01	PLATE (VA), SHIELD	
13	*3-333-066-01	SHEET (LARGE), INSULATING	
14	*3-348-750-01	CUSHION (DAMPER)	
15	*3-333-073-01	SHEET (SMALL), INSULATING	
16	*X-3320-599-1	BRACKET (RIGHT), ASSY	
17	7-682-546-09	SCREW +B 3X5	
18	7-685-133-19	SCREW +BTP 2.6X6 TYPE2 N-S	

No.	Part No.	Description	Remarks
19	3-348-749-01	WASHER (TEFLON)	
20	7-685-861-09	SCREW +BVTT 2.6X5 (S)	
21	*3-343-739-01	PLATE, PROTECTION, FLEXIBLE	
22	9-995-622-01	CASE	
23	7-687-510-31	SCREW PTTWH 3X6	
24	2-352-626-01	BUSHING, CORD	
25	7-682-550-09	SCREW +B 3X12	
27	*3-354-701-01	SPACER	
28	3-348-232-72	LABEL (MODEL NAME)	
29	7-685-146-11	SCREW +P 3X8	
30	3-703-108-21	SCREW +B 3X6	
901	*A-3279-854-A	MOUNTED PCB, JACK	
902	*A-3279-855-A	MOUNTED PCB, RF	
916	1-630-870-11	PC BOARD, RF FLEXIBLE	
917	1-630-435-11	PC BOARD, TRANSLATION FLEXIBLE	
918	9-995-624-01	CORD (WITH CONNECTOR)	
921	1-466-108-11	I/O UNIT	22-24,29

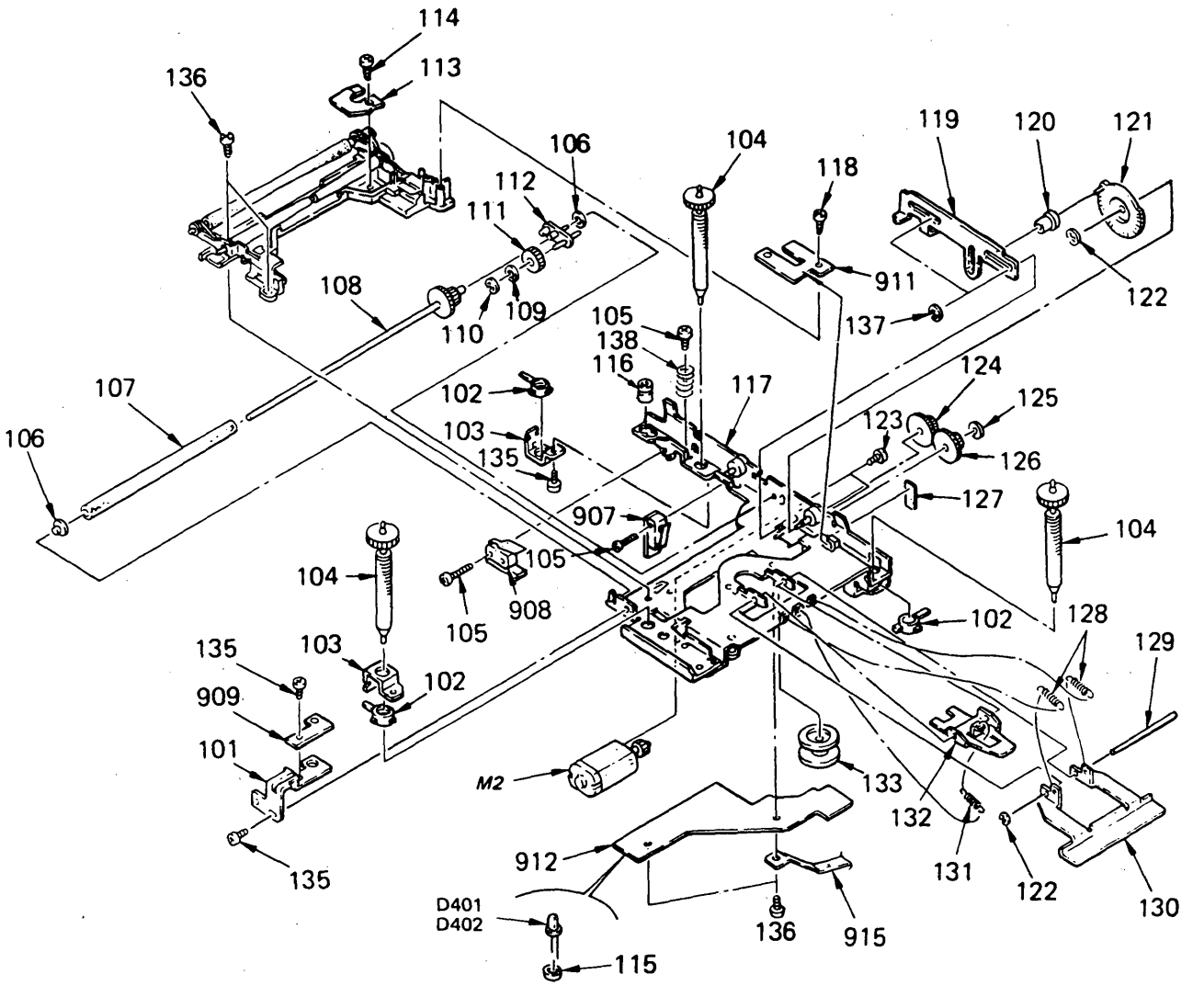
(2)



No.	Part No.	Description	Remarks
51	3-343-724-21	ESCUTCHEON	
52	3-343-712-01	BUTTON, EJECT	
53	3-331-916-01	GEAR (MIDDLE), ELEVATOR	
54	*3-333-082-01	RETAINER, SCREW, FEED	
55	3-343-708-01	ROLLER, MAGAZINE	
56	*3-343-711-01	SHAFT, ROLLER, MAGAZINE	
57	3-343-710-01	SPRING	
58	7-624-104-04	STOP RING 2.0, TYPE -E	
59	3-343-709-01	SPRING	
60	7-621-775-00	SCREW +B 2.6X3	
61	3-331-907-01	RETAINER, SCREW, FEED	
62	3-331-952-01	GEAR (LARGE), ELEVATOR	
63	3-343-707-01	GEAR (SMALL), ELEVATOR	
64	7-682-544-04	SCREW +P 3X3	
65	4-917-404-01	GEAR, MOTOR	

No.	Part No.	Description	Remarks
66	7-621-731-08	SET-SCT, HEX. 2X2.5, FLAT POINT	
67	3-831-441-11	CUSHION	
68	*3-343-714-01	BRACKET, FOP	
70	3-333-081-01	BEARING (UPPER & LOWER)	
71	*X-3329-567-1	PLATE ASSY, TOP	
72	7-685-791-09	SCREW +BVTT 2.6X5 (S)	
73	7-621-255-25	SCREW +BVTT 2X4 (S)	
74	7-685-103-19	SCREW +P 2X5 TYPE2 NON-SLIT	
75	7-685-132-19	SCREW +P 2.6X5 TYPE2 NON-SLIT	
76	7-627-553-17	PRECISION SCREW +P 2X2 TYPE 3	
77	7-624-118-01	RING, RETAINING E-2.5	
78	3-568-749-00	CUSHION, ECM	
80	*3-343-741-01	PLATE, GROUND	
910	*1-622-793-11	PC BOARD, EHS	
913	*1-622-796-11	PC BOARD, EJECT	
M3	1-541-309-11	MOTOR, L (RF-370C)	

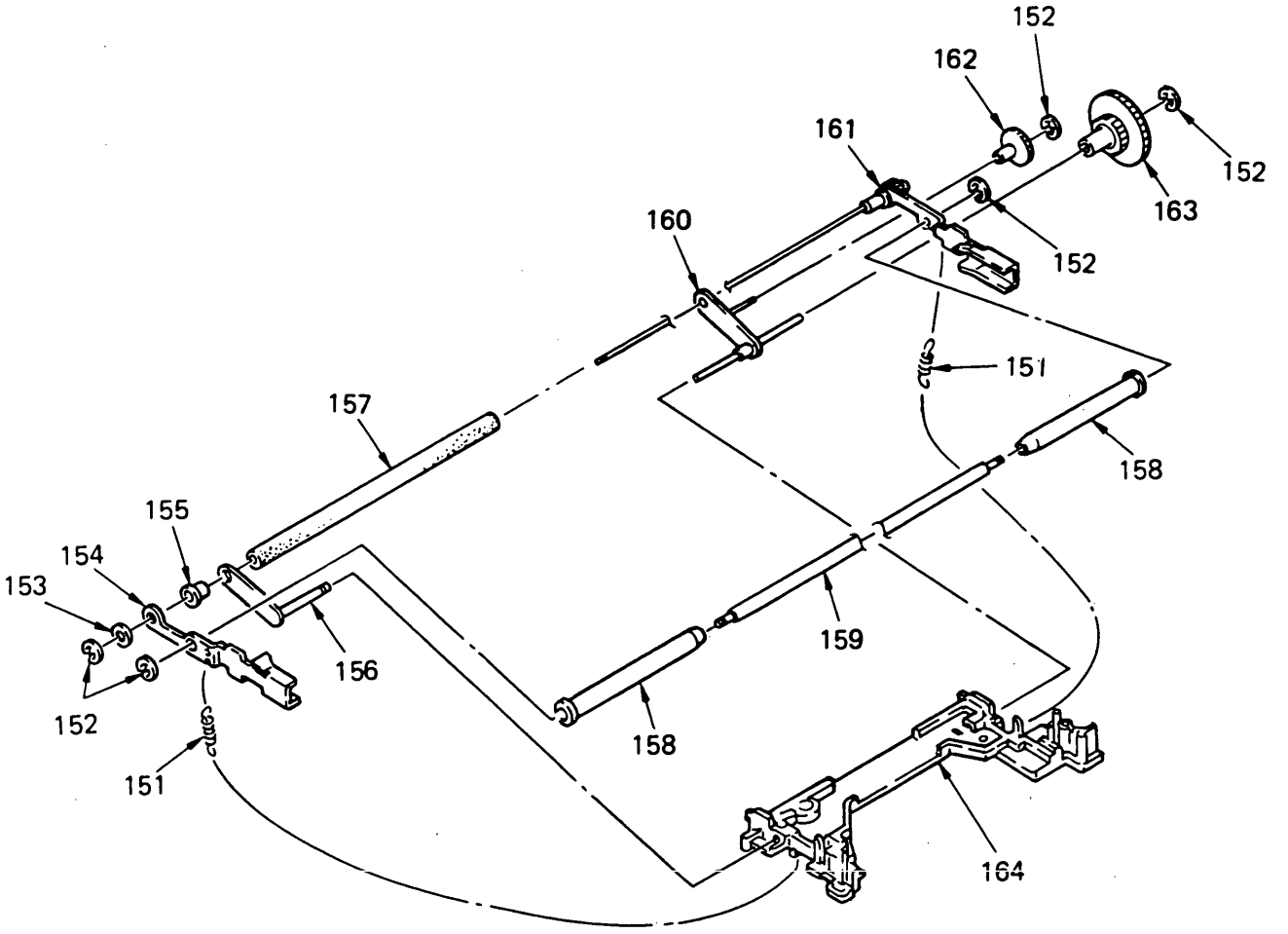
(3)



No.	Part No.	Description	Remarks
101	*3-333-092-01	BRACKET (S), PHOTO	
102	3-329-560-01	SCREW, M6	
103	*3-329-570-01	PLATE, SCREW	
104	X-3329-554-1	SCREW ASSY, FEED	
105	7-621-772-40	SCREW +B 2X8	
106	3-329-558-01	BEARING, MAIN ROLLER	
107	3-323-231-02	ROLLER (LOWER)	
108	X-3329-520-1	SHAFT (LOWER) ASSY, ROLLER	
109	3-329-553-01	SPRING, E	
110	3-321-813-11	WASHER, COTTER POLYETHYLENE	
111	3-329-555-11	GEAR (E), R	
112	*X-3329-522-1	LEVER ASSY, R	
113	*3-333-006-01	REINFORCEMENT	
114	7-621-770-67	SCREW +B 2.6X6	
115	*3-330-944-01	SPACER (LED)	
116	3-329-551-01	METAL, SHAFT	
117	*X-3329-565-1	CHASSIS ASSY, E	
118	7-685-132-19	SCREW +P 2.6X5 TYPE2 NON-SLIT	
119	*3-331-944-01	LEVER, SLIDE	
120	3-329-547-01	ROLLER, IDLE	
121	3-331-943-01	GEAR (F), R	

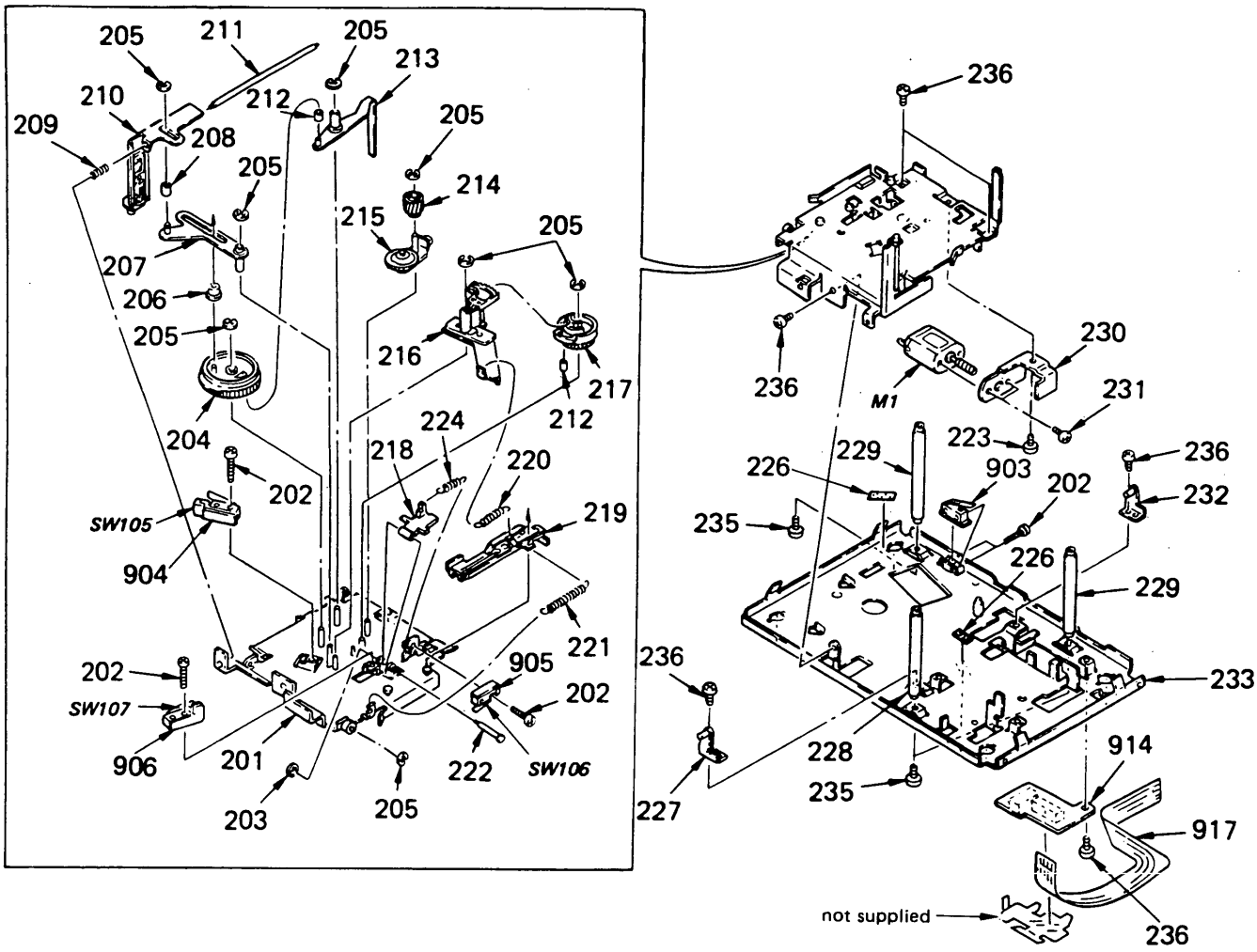
No.	Part No.	Description	Remarks
122	7-624-102-04	STOP RING 1.5, TYPE -E	
123	7-621-255-10	SCREW +P 2X3	
124	3-333-099-01	GEAR (A)	
125	3-895-818-01	WASHER, POLYETHYLENE, COTTER	
126	3-343-701-01	GEAR (B)	
127	3-831-441-11	CUSHION	
128	3-571-823-00	SPRING, TENSION	
129	3-333-098-01	SHAFT, DISK CHUCK	
130	*X-3329-566-1	STOPPER ASSY, CD	
131	3-535-369-XX	SPRING, TENSION	
132	3-343-718-01	BRACKET, DISK CHUCK	
133	3-343-717-01	PLATE (M), CHUCK	
135	7-621-255-25	SCREW +BVTT 2X4 (S)	
136	7-685-791-09	SCREW +BVTT 2.6X5 (S)	
137	7-624-104-04	STOP RING 2.0, TYPE -E	
138	3-534-512-01	SPRING, COMPRESSION	
907	*1-622-790-11	PC BOARD, MI	
908	*1-622-791-11	PC BOARD, CB	
909	*1-622-792-11	PC BOARD, DPT	
911	*1-622-794-11	PC BOARD, DOE	
912	*1-622-795-11	PC BOARD, LED	
915	1-623-640-11	PC BOARD, MD FLEXIBLE	
M2	X-3329-560-1	MOTOR ASSY, M2	

(4)



No.	Part No.	Description	Remarks
151	3-547-665-11	SPRING, TENSION	
152	7-624-102-04	STOP RING 1.5, TYPE -E	
153	3-310-958-00	WASHER (R)	
154	3-343-706-01	LINK, DISK	
155	*3-331-925-01	BEARING, ROLLER STOPPER	
156	*X-3329-517-1	LEVER (F) ASSY, LINK	
157	3-323-231-02	ROLLER (LOWER)	
158	X-3329-518-1	ROLLER (UPPER) ASSY	
159	*3-329-552-01	SHAFT, SIDE ROLLER	
160	*X-3329-516-1	LEVER (B) ASSY, LINK	
161	X-3329-561-1	SHAFT (UPPER) ASSY, ROLLER	
162	3-331-924-01	GEAR (G), ROLLER	
163	3-331-914-01	GEAR, ROLLER 3 STEP	
164	3-331-957-06	GUIDE, DISK	

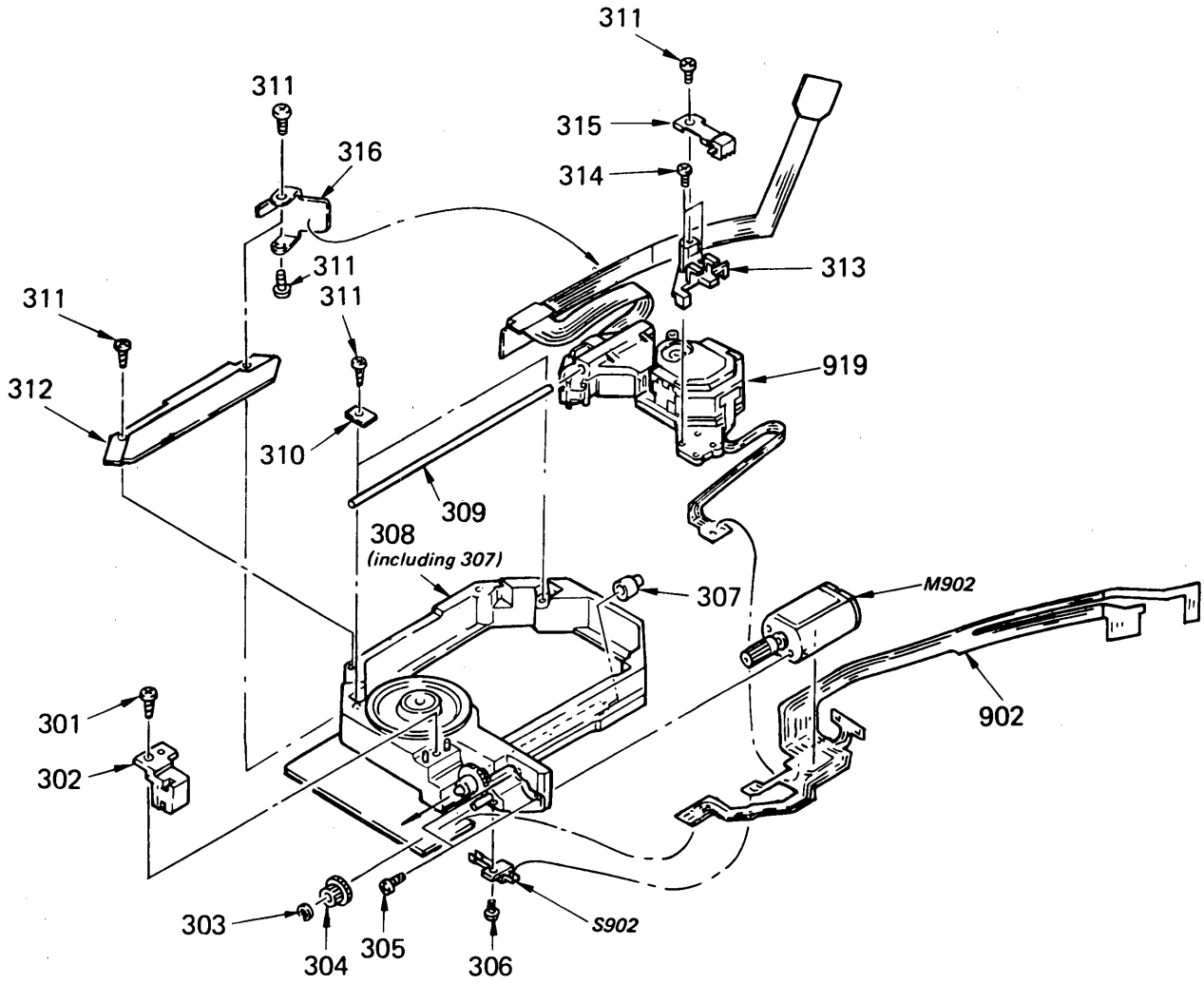
(5)



No.	Part No.	Description	Remarks
201	*X-3323-201-1	CHASSIS ASSY, PACK	
202	7-621-255-65	+BVTT 2X10 (S)	
203	7-624-102-04	STOP RING 1.5, TYPE -E	
204	X-3329-513-1	GEAR ASSY, CAM	
205	7-624-104-04	STOP RING 2.0, TYPE -E	
206	3-331-905-01	ROLLER (A)	
207	*X-3329-507-1	LEVER ASSY, LINEAR	
208	3-331-927-01	ROLLER, LINEAR LEVER	
209	3-568-315-01	SPRING, COMPRESSION	
210	X-3329-558-1	SLIDER ASSY, LINEAR	
211	3-331-904-01	SHAFT, LINEAR SLIDER	
212	3-329-580-01	ROLLER, CAM	
213	*X-3329-510-1	LEVER ASSY, SLIDER SET	
214	3-333-088-01	WHEEL, WORM	
215	X-3329-557-1	GEAR ASSY	
216	X-3329-511-1	LEVER ASSY, SOFT EJECT	
217	3-331-951-01	GEAR (2), EJECT CAM	
218	3-333-087-01	HOOK, BACK LOCK	
219	*3-331-913-01	EJECTOR (2), SOFT	
220	3-343-723-01	SPRING, TENSION	
221	3-634-191-XX	SPRING, TENSION	
222	*3-329-573-01	SHAFT, LOCK HOOK	

No.	Part No.	Description	Remarks
223	7-628-253-90	SCREW +PS 2.6X4	
224	3-535-369-XX	SPRING, TENSION	
226	3-831-441-11	CUSHION	
227	*X-3329-555-1	OPENER ASSY (A)	
228	*3-333-084-01	SHAFT (B), FIXED, E	
229	*3-333-083-01	SHAFT (A), FIXED, E	
230	*3-343-715-01	PLATE, FIXED, MOTOR	
231	7-621-775-00	SCREW +P 2.6X3	
232	*X-3329-556-1	OPENER ASSY (B)	
233	*X-3329-568-1	CHASSIS ASSY, BOTTOM	
235	7-682-546-09	SCREW +B 3X5	
236	7-685-791-09	SCREW +BVTT 2.6X5 (S)	
903	*1-617-987-12	PC BOARD, COMMON	
904	*1-622-787-11	PC BOARD, LOT	
905	*1-622-788-11	PC BOARD, PS	
906	*1-622-789-11	PC BOARD, EJ	
914	*1-622-797-11	PC BOARD, TRANSLATION	
915	1-623-640-11	PC BOARD, MD FLEXIBLE	
917	1-630-435-11	PC BOARD, TRANSLATION FLEXIBLE	
SW105	1-570-504-11	SWITCH, MICRO (LOT)	
SW106	1-570-504-11	SWITCH, MICRO (PST)	
SW107	1-570-504-11	SWITCH, MICRO (EJECT)	
M1	X-3329-571-2	MOTOR ASSY	

(6) OPTIONAL PICK-UP BLOCK (KSM-130A)

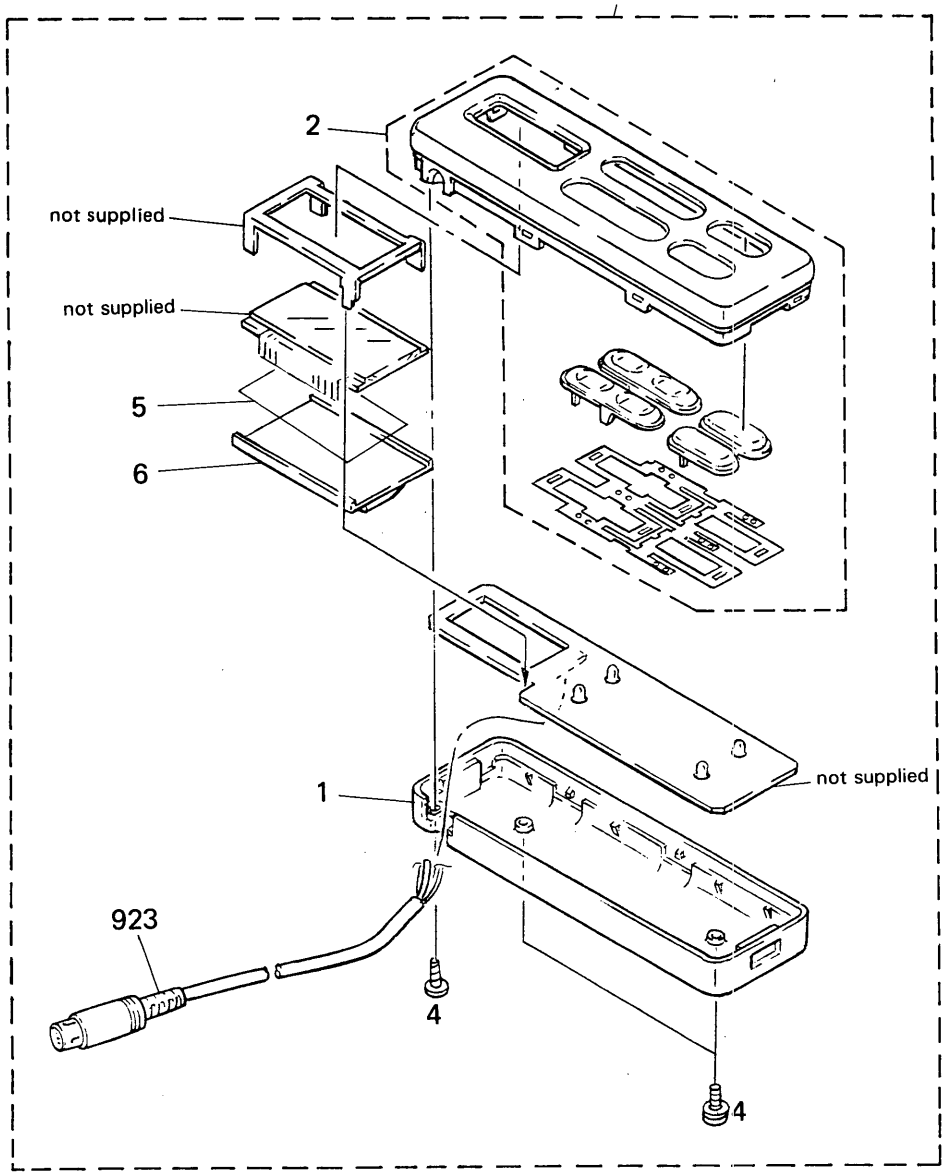


No.	Part No.	Description	Remarks
301	7-685-103-19	SCREW +P 2X5 TYPE2 NON-SLIT	
302	X-2640-611-1	RETAINER ASSY, THRUST	
303	3-321-813-01	WASHER, COTTER POLYETHYLENE	
304	2-640-625-01	GEAR (B)	
305	7-627-553-37	PRECISION SCREW +P 2X3 TYPE 3	
306	2-640-620-03	SCREW (B) (1.4X3), TAPPING	
307	2-640-629-02	RETAINER (C), THRUST	
308	X-3320-567-2	CHASSIS ASSY, MD SLED	307
309	*2-640-632-01	SHAFT, GUIDE	
310	2-640-645-01	RETAINER, GUIDE SHAFT	

No.	Part No.	Description	Remarks
311	7-685-102-19	SCREW +P 2X4 TYPE2 NON-SLIT	
312	2-640-623-01	COVER, MD	
313	2-640-638-01	BEARING, FEED GUIDE	
314	7-627-852-17	+P 1.7X4	
315	2-640-622-01	NUT, FEED	
316	3-343-741-01	PLATE, GROUND	
919	⚠8-848-067-01	PICKUP, OPTICS KSS-160B	
920	1-621-406-11	PC BOARD, MOTOR FLEXIBLE	
M902	X-3320-568-1	MOTOR ASSY, SLED	
S902	1-554-938-11	SWITCH, LEAF (LIMIT)	

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

(7) REMOTE COMMANDER SECTION



No.	Part No.	Description	Remarks
1	9-995-855-01	CASE ASSY (LOWER)	
2	9-995-856-01	CASE ASSY (UPPER)	
4	7-685-103-19	SCREW +P 2X5 TYPE2 NON-SLIT	
5	9-995-012-01	REFLECTOR	
6	*2-397-924-01	HOLDER, LAMP	
7	1-465-155-21	REMOTE COMMANDER	
923	9-995-854-01	CORD (WITH CONNECTOR)	

SECTION 7
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
901	*A-3279-854-A	MOUNTED PCB, JACK			
902	*A-3279-855-A	MOUNTED PCB, RF			
903	*1-617-987-12	PC BOARD, COMMON			
904	*1-622-787-11	PC BOARD, LOT			
905	*1-622-788-11	PC BOARD, PS			
906	*1-622-789-11	PC BOARD, EJ			
907	*1-622-790-11	PC BOARD, MI			
908	*1-622-791-11	PC BOARD, CB			
909	*1-622-792-11	PC BOARD, DPT			
910	*1-622-793-11	PC BOARD, EHS			
911	*1-622-794-11	PC BOARD, DOE			
912	*1-622-795-11	PC BOARD, LED			
913	*1-622-796-11	PC BOARD, EJECT			
914	*1-622-797-11	PC BOARD, TRANSLATION			
915	1-623-640-11	PC BOARD, MD FLEXIBLE			
916	1-630-870-11	PC BOARD, RF FLEXIBLE			
917	1-630-435-11	PC BOARD, TRANSLATION FLEXIBLE			
918	9-995-624-01	CORD (WITH CONNECTOR)			
919	⚠8-848-067-01	PICKUP, OPTICS KSS-160B			
920	1-621-406-11	PC BOARD, MOTOR FLEXIBLE			
921	1-466-108-11	I/O UNIT			
C1	1-136-159-00	FILM	0.033MF	5%	50V
C2	1-126-177-11	ELECT	100MF	20%	6.3V
C3	1-163-078-11	CERAMIC CHIP	0.033MF	10%	25V
C4	1-163-059-00	CERAMIC MELF	0.01MF	20%	16V
C5	1-126-177-11	ELECT	100MF	20%	6.3V
C6	1-126-154-11	ELECT	47MF	20%	6.3V
C7	1-124-442-00	ELECT	330MF	20%	6.3V
C8	1-163-062-00	CERAMIC CHIP	0.018MF	10%	50V
C9	1-126-177-11	ELECT	100MF	20%	6.3V
C10	1-124-465-00	ELECT	0.47MF	20%	50V
C11	1-163-059-00	CERAMIC MELF	0.01MF	20%	16V
C12	1-163-062-00	CERAMIC CHIP	0.018MF	10%	50V
C13	1-163-213-00	CERAMIC MELF	0.0022MF	20%	16V
C14	1-136-165-00	FILM	0.1MF	5%	50V
C15	1-136-165-00	FILM	0.1MF	5%	50V
C16	1-124-442-00	ELECT	330MF	20%	6.3V
C17	1-126-177-11	ELECT	100MF	20%	6.3V
C18	1-163-181-00	CERAMIC MELF	100PF	10%	50V
C19	1-126-162-11	ELECT	3.3MF	20%	35V
C20	1-136-165-00	FILM	0.1MF	5%	50V
C21	1-136-165-00	FILM	0.1MF	5%	50V
C22	1-163-181-00	CERAMIC MELF	100PF	10%	50V
C23	1-136-165-00	FILM	0.1MF	5%	50V
C24	1-136-162-00	FILM	0.056	5%	50V
C25	1-124-257-00	ELECT	2.2MF	20%	6.3V
C26	1-163-076-00	CERAMIC CHIP	0.068MF		50V
C27	1-126-177-11	ELECT	100MF	20%	6.3V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C28	1-126-177-11	ELECT	100MF	20%	6.3V
C29	1-127-558-11	ELECT(SOLID)	10MF	20%	6.3V
C30	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V
C31	1-163-055-00	CERAMIC MELF	0.0047MF	20%	16V
C32	1-163-078-11	CERAMIC CHIP	0.033MF	10%	25V
C33	1-124-465-00	ELECT	0.47MF	20%	50V
C34	1-126-154-11	ELECT	47MF	20%	6.3V
C35	1-163-205-00	CERAMIC MELF	0.001MF	10%	50V
C37	1-126-160-11	ELECT	1MF	20%	50V
C38	1-126-160-11	ELECT	1MF	20%	50V
C39	1-127-558-11	ELECT(SOLID)	10MF	20%	6.3V
C40	1-163-169-00	CERAMIC MELF	33PF	5%	50V
C41	1-163-169-00	CERAMIC MELF	33PF	5%	50V
C47	1-163-205-00	CERAMIC MELF	0.001MF	10%	50V
C48	1-124-442-00	ELECT	330MF	20%	6.3V
C49	1-126-177-11	ELECT	100MF	20%	6.3V
C50	1-127-558-11	ELECT(SOLID)	10MF	20%	6.3V
C51	1-126-131-11	ELECT	1200MF	20%	6.3V
C52	1-126-131-11	ELECT	1200MF	20%	6.3V
C53	1-124-442-00	ELECT	330MF	20%	6.3V
C55	1-163-161-00	CERAMIC MELF	15PF	5%	50V
C56	1-163-181-00	CERAMIC MELF	100PF	10%	50V
C57	1-163-077-00	CERAMIC CHIP	0.1MF		50V
C58	1-124-438-00	ELECT	1MF	20%	50V
C61	1-124-442-00	ELECT	330MF	20%	6.3V
C63	1-124-442-00	ELECT	330MF	20%	6.3V
C101	1-136-165-00	FILM	0.1MF	5%	50V
C102	1-163-205-00	CERAMIC MELF	0.001MF	10%	50V
C103	1-163-205-00	CERAMIC MELF	0.001MF	10%	50V
C104	1-163-179-00	CERAMIC MELF	82PF	10%	50V
C105	1-136-163-00	FILM	0.068MF	5%	50V
C106	1-124-967-11	ELECT	10MF	20%	10V
C201	1-136-165-00	FILM	0.1MF	5%	50V
C202	1-163-205-00	CERAMIC MELF	0.001MF	10%	50V
C203	1-163-205-00	CERAMIC MELF	0.001MF	10%	50V
C204	1-163-179-00	CERAMIC MELF	82PF	10%	50V
C205	1-136-163-00	FILM	0.068MF	5%	50V
C206	1-124-967-11	ELECT	10MF	20%	10V
C301	1-124-442-00	ELECT	330MF	20%	6.3V
C302	1-126-177-11	ELECT	100MF	20%	6.3V
C303	1-126-177-11	ELECT	100MF	20%	6.3V
C304	1-126-177-11	ELECT	100MF	20%	6.3V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C305	1-126-177-11	ELECT	100MF	20%	6.3V
C501	1-136-165-00	FILM	0.1MF	5%	50V
C502	1-136-165-00	FILM	0.1MF	5%	50V
C505	1-163-055-00	CERAMIC CHIP	0.0047MF	10%	50V
C506	1-126-157-11	ELECT	10MF	20%	6.3V
C507	1-124-225-00	ELECT	100MF	20%	6.3V
C508	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V
C511	1-126-160-11	ELECT	1MF	20%	50V
C512	1-124-465-00	ELECT	0.47MF	20%	50V
C513	1-136-165-00	FILM	0.1MF	5%	50V
C542	1-124-119-00	ELECT	330MF	20%	16V
C543	1-136-165-00	FILM	0.1MF	5%	50V
C546	1-127-558-11	ELECT(SOLID)	10MF	20%	6.3V
C547	1-125-486-11	ELECT	0.22F		5.5V
C548	1-136-165-00	FILM	0.1MF	5%	50V
C549	1-124-229-00	ELECT	33MF	20%	6.3V
C551	1-163-077-00	CERAMIC CHIP	0.1MF		50V
C552	1-136-165-00	FILM	0.1MF	5%	50V
C701	1-136-165-00	FILM	0.1MF	5%	50V
C703	1-126-160-11	ELECT	1MF	20%	50V
C705	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V
C706	1-126-247-11	ELECT	560MF	20%	6.3V
C707	1-126-247-11	ELECT	560MF	20%	6.3V
C710	1-124-119-00	ELECT	330MF	20%	16V
C718	1-126-157-11	ELECT	10MF	20%	6.3V
C719	1-124-229-00	ELECT	33MF	20%	6.3V
C720	1-124-755-00	ELECT	3300MF	20%	16V
C721	1-163-063-00	CERAMIC CHIP	0.022MF	10%	50V
C801	1-124-343-11	ELECT	2200MF		16V
C802	1-102-129-11	ELECT	0.01MF		
C803	1-101-007-11	ELECT	0.1MF		
C804					
C805	1-123-820-11	ELECT	33MF	16V	16V
C806	1-124-236-11	ELECT	47MF	16V	16V
C807	1-124-259-11	ELECT	4.7MF		50V
C808	1-124-259-11	ELECT	4.7MF		50V
C809	1-124-135-11	ELECT	470MF		6.3V
C810	1-124-142-11	ELECT	470MF		10V
C811	1-124-234-11	ELECT	22MF		16V
C812	1-124-234-11	ELECT	22MF		16V
C813	1-124-135-11	ELECT	470MF		6.3V
C814	1-102-129-11	CERAMIC	0.01μF		
C815	1-102-129-11	CERAMIC	0.01MF		
C816	1-102-121-11	CERAMIC	2200PF		
C817	1-102-121-11	CERAMIC	2200PF		
C818	1-102-129-11	CERAMIC	0.01μF		
C819	1-124-236-11	ELECT	47MF		16V
C820	1-102-129-11	CERAMIC	0.01MF		
C821	1-102-129-11	ELECT	47MF		6.3V
C822	1-124-118-11	ELECT	220MF		16V
C823	1-102-121-11	CERAMIC	2200PF		
CNJ1	*1-566-776-11	SOCKET, CONNECTOR 12P			
CNJ2	*1-562-631-11	SOCKET, CONNECTOR 4P			
CNJ3	*1-562-630-11	SOCKET, CONNECTOR 8P			
CNJ4	*1-566-887-11	SOCKET, CONNECTOR 18P			
CNJ5	*1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P			
CNJ401	*1-566-887-11	SOCKET, CONNECTOR 18P			
CNJ402	*1-562-719-11	SOCKET, CONNECTOR 10P			
CNJ501	1-566-907-11	PIN, CONNECTOR 18P			
CNJ502	*1-568-490-11	SOCKET, CONNECTOR 18P			
CNJ503	*1-568-490-11	SOCKET, CONNECTOR 18P			
CNJ504	*1-562-631-11	SOCKET, CONNECTOR 4P			

ELECTRICAL PARTS

Ref.No.	Part No.	Description
CNP1	*3-333-067-01	TAG
CNP201	*1-566-001-11	PIN, CONNECTOR (PC BOARD) 4P
CNP401	*1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P
CNP402	*1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P
CNP403	*1-506-984-31	PIN, CONNECTOR (PC BOARD) 2P
CNP404	*1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P
CNP405	*1-506-985-11	PIN, CONNECTOR (PC BOARD) 3P
CNP406	*1-506-988-11	PIN, CONNECTOR (PC BOARD) 6P
CNP408	*1-506-481-11	PIN, CONNECTOR 2P
CNP409	1-506-467-11	PIN, CONNECTOR 2P
CNP410	1-506-467-11	PIN, CONNECTOR 2P
CNP411	*1-506-998-11	PIN, CONNECTOR (PC BOARD) 2P
CNP412	*1-506-999-11	PIN, CONNECTOR (PC BOARD) 3P
CNP801	1-563-509-11	SOCKET, CONNECTOR 5P
CNP802	9-995-621-01	SOCKET, CONNECTOR 6P
CNP803	1-566-866-11	SOCKET, CONNECTOR 8P
D1	8-719-976-19	DIODE RLS-4148
D301	8-719-976-19	DIODE RLS-4148
D302	8-719-100-05	DIODE 1S2837
D401	8-719-812-31	DIODE TLR123
D402	8-719-812-31	DIODE TLR123
D403	8-719-100-03	DIODE 1S2835
D404	8-719-100-03	DIODE 1S2835
D405	8-719-100-03	DIODE 1S2835
D501	8-719-110-12	DIODE RD9.1ES-B1
D502	8-719-109-93	DIODE RD6.2ES-B2
D503	8-719-100-03	DIODE 1S2835
D505	8-719-100-03	DIODE 1S2835
D507	8-719-109-85	DIODE RD5.1ES-B2
D508	8-719-911-19	DIODE 1SS119
D509	8-719-110-35	DIODE RD13ES-T1B1
D511	8-719-109-85	DIODE RD5.1ES-B2
D512	8-719-109-85	DIODE RD5.1ES-B2
D513	8-719-109-85	DIODE RD5.1ES-B2
D514	8-719-109-85	DIODE RD5.1ES-B2
D515	8-719-109-85	DIODE RD5.1ES-B2
D518	8-719-911-19	DIODE 1SS119
D520	8-719-109-85	DIODE RD5.1ES-B2
D703	8-719-976-19	DIODE RLS-4148
D704	8-719-910-62	DIODE HZ6A2L
D705	8-719-109-93	DIODE RD6.2ES-B2
D706	8-719-109-85	DIODE RD5.1ES-B2
D707	8-719-110-48	DIODE RD18ES-B1
D708	8-719-976-19	DIODE RLS-4148
D709	8-719-109-85	DIODE RD5.1ES-B2
D710	8-719-976-19	DIODE RLS-4148
D801	8-719-911-19	DIODE 1SS119
D802	8-719-200-02	DIODE 10E-2
D803	8-719-911-19	DIODE 1SS119
D804	8-719-911-19	DIODE 1SS119
D805	8-719-911-19	DIODE 1SS119
D806	8-719-911-19	DIODE 1SS119
D807	8-719-911-19	DIODE 1SS119
D808	8-719-109-75	DIODE RD4.3ES-B2
D809	8-719-110-13	DIODE RD9.1ES-B2
D811	8-719-109-89	DIODE RD5.6ES-B2
D812	8-719-200-02	DIODE 10E-2
D813	8-719-110-22	DIODE RD11ES-B2
D813	8-719-911-19	DIODE 1SS119
D814	8-719-911-19	DIODE 1SS119
D815	8-719-109-89	DIODE RD5.6ES-B2
D815	8-719-911-19	DIODE 1SS119

ELECTRICAL PARTS

Ref.No.	Part No.	Description
D816	8-719-109-89	DIODE RD5.6ES-B2
D816	8-719-911-19	DIODE 1SS119
D817	8-719-911-19	DIODE 1SS119
D818	8-719-109-51	DIODE RD2.0ES-B2
DD1	1-464-848-11	CONVERTER UNIT, DC-DC
F801	⚠1-532-438-11	FUSE 3.15A
IC1	8-752-033-14	IC CXA1081Q
IC2	8-752-013-65	IC CXA1082AQ
IC3	8-752-329-15	IC CXD1130Q
IC4	8-759-981-37	IC MB88505H-1023M
IC5	8-759-940-89	IC L272M
IC6	8-752-323-65	IC CXK5816M-15L
IC301	8-759-805-33	IC CXD1161M-2
IC302	8-759-710-09	IC NJM2233AM
IC303	8-759-802-48	IC LA6462M
IC501	8-759-802-32	IC LB1649
IC502	8-759-940-45	IC S-8054HN-CB-S
IC503	8-757-991-00	IC CX-7991
IC505	8-759-146-20	IC UPD7508HG-657-22
IC507	8-759-802-32	IC LB1649
IC801	8-759-631-88	IC M5280L
JW2	1-249-366-11	CARBON MELF 0 5% 1/5W
JW550	1-216-296-00	METAL GLAZE 0 5% 1/8W
JW558	1-216-296-00	METAL GLAZE 0 5% 1/8W
LF1	9-995-620-01	EMI FILTER DSS306-55B271
L1	1-410-501-11	MICRO INDUCTOR 2.2UH
L2	1-410-501-11	MICRO INDUCTOR 2.2UH
L3	1-410-501-11	MICRO INDUCTOR 2.2UH
L4	1-410-316-11	MICRO INDUCTOR 1UH
L501	1-410-501-11	MICRO INDUCTOR 2.2UH
L504	1-410-501-11	MICRO INDUCTOR 2.2UH
L505	1-410-501-11	MICRO INDUCTOR 2.2UH
L506	1-410-501-11	MICRO INDUCTOR 2.2UH
L507	1-410-501-11	MICRO INDUCTOR 2.2UH
L801	1-424-053-11	CHOKE COIL 1.2MH
L802	1-410-320-41	INDUCTOR 2.2MH
M1	X-3329-571-2	MOTOR ASSY, M1 (EJECT/LEVER OUT)
M2	X-3329-560-1	MOTOR ASSY, M2 (SAVE/LOAD)
M3	1-541-309-11	MOTOR, L (RF-370C)(ELEVATOR UP/DOWN)
M902	X-3320-568-1	MOTOR ASSY, SLED
Q1	8-729-106-60	TRANSISTOR 2SB1115A
Q2	8-729-106-60	TRANSISTOR 2SB1115A
Q3	8-729-106-68	TRANSISTOR 2SD1615A-GP
Q4	8-729-106-60	TRANSISTOR 2SB1115A
Q5	8-729-106-68	TRANSISTOR 2SD1615A-GP
Q6	8-729-901-00	TRANSISTOR DTC124EK
Q8	8-729-271-23	TRANSISTOR 2SC2712
Q9	8-729-900-53	TRANSISTOR DTC114EK
Q10	8-729-901-01	TRANSISTOR DTC144EK
Q101	8-729-202-38	TRANSISTOR 2SC3326N
Q201	8-729-202-38	TRANSISTOR 2SC3326N
Q301	8-729-901-05	TRANSISTOR DTA124EK
Q302	8-729-901-00	TRANSISTOR DTC124EK
Q303	8-729-113-69	TRANSISTOR FN1F4M-M32
Q304	8-729-901-00	TRANSISTOR DTC124EK
Q401	8-729-110-21	TRANSISTOR PH102-L
Q402	8-729-110-21	TRANSISTOR PH102-L
Q403	8-719-906-43	DIODE GP-1S03
Q502	8-729-216-22	TRANSISTOR 2SA1162-G
Q505	8-729-216-22	TRANSISTOR 2SA1162-G
Q506	8-729-216-22	TRANSISTOR 2SA1162-G
Q511	8-729-113-69	TRANSISTOR FN1F4M-M32
Q512	8-729-901-00	TRANSISTOR DTC124EK
Q513	8-729-113-69	TRANSISTOR FN1F4M-M32

ELECTRICAL PARTS

Ref.No.	Part No.	Description
Q514	8-729-271-23	TRANSISTOR 2SC2712
Q515	8-729-113-69	TRANSISTOR FN1F4M-M32
Q516	8-729-271-23	TRANSISTOR 2SC2712
Q517	8-729-113-69	TRANSISTOR FN1F4M-M32
Q518	8-729-901-00	TRANSISTOR DTC124EK
Q519	8-729-271-23	TRANSISTOR 2SC2712
Q520	8-729-113-69	TRANSISTOR FN1F4M-M32
Q523	8-729-271-23	TRANSISTOR 2SC2712
Q524	8-729-113-69	TRANSISTOR FN1F4M-M32
Q704	8-729-901-00	TRANSISTOR DTC124EK
Q705	8-729-805-20	TRANSISTOR 2SB1202-R
Q706	8-729-271-32	TRANSISTOR 2SC2713-L
Q707	8-729-106-68	TRANSISTOR 2SD1615A-GP
Q710	8-729-900-53	TRANSISTOR DTC114EK
Q801	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q802	9-995-618-01	TRANSISTOR 2SB1229
Q803	8-729-900-45	TRANSISTOR DTC114EF
Q804	8-729-900-45	TRANSISTOR DTC114EF
Q805	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q806	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q807	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q808	8-729-902-11	TRANSISTOR 2SC2021
Q809	9-995-619-01	TRANSISTOR 2SD1521
Q810	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q811	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q812	9-995-619-01	TRANSISTOR 2SD1521
Q813	9-995-618-01	TRANSISTOR 2SB1229
Q814	8-729-119-78	TRANSISTOR 2SC2785-HFE
Q815	8-729-119-78	2SC2785-HFE
Q816	9-995-618-01	TRANSISTOR 2SB1229
R1	1-249-433-11	CARBON MELF 22K 5% 1/5W
R2	1-249-429-11	CARBON MELF 10K 5% 1/5W
R3	1-247-784-00	CARBON MELF 11 5% 1/5W
R4	1-247-784-00	CARBON MELF 11 5% 1/5W
R5	1-249-417-11	CARBON MELF 1K 5% 1/5W
R6	1-249-421-11	CARBON MELF 2.2K 5% 1/5W
R7	1-215-434-11	CARBON MELF 27K 5% 1/5W
R8	1-249-441-11	CARBON MELF 100K 5% 1/5W
R9	1-215-446-00	CARBON MELF 11K 5% 1/5W
R10	1-215-485-00	CARBON MELF 470K 5% 1/5W
R11	1-215-473-00	CARBON MELF 150K 5% 1/5W
R12	1-249-441-11	CARBON MELF 100K 5% 1/5W
R13	1-249-441-11	CARBON MELF 100K 5% 1/5W
R14	1-215-481-00	CARBON MELF 330K 5% 1/5W
R15	1-249-439-11	CARBON MELF 68K 5% 1/5W
R16	1-215-471-00	CARBON MELF 120K 5% 1/5W
R17	1-215-486-00	CARBON MELF 510K 5% 1/5W
R18	1-249-428-11	CARBON MELF 8.2K 5% 1/5W
R19	1-215-479-00	CARBON MELF 270K 5% 1/5W
R20	1-249-439-11	CARBON MELF 68K 5% 1/5W
R21	1-249-423-11	CARBON MELF 3.3K 5% 1/5W
R22	1-249-429-11	CARBON MELF 10K 5% 1/5W
R23	1-249-441-11	CARBON MELF 100K 5% 1/5W
R24	1-215-452-00	CARBON MELF 20K 5% 1/5W
R25	1-215-493-00	CARBON MELF 1M 5% 1/5W
R27	1-249-429-11	CARBON MELF 10K 5% 1/5W
R28	1-249-429-11	CARBON MELF 10K 5% 1/5W
R29	1-249-441-11	CARBON MELF 100K 5% 1/5W
R38	1-215-454-00	CARBON MELF 24K 5% 1/5W
R39	1-249-429-11	CARBON MELF 10K 5% 1/5W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R40	1-215-396-00	CARBON MELF	91	5%	1/5W
R50	1-249-429-11	CARBON MELF	10K	5%	1/5W
R51	1-249-390-11	CARBON MELF	5.6	5%	1/5W
R53	1-249-390-11	CARBON MELF	5.6	5%	1/5W
R54	1-249-393-11	CARBON MELF	10	5%	1/5W
R55	1-249-417-11	CARBON MELF	1K	5%	1/5W
R56	1-249-417-11	CARBON MELF	1K	5%	1/5W
R58	1-249-429-11	CARBON MELF	10K	5%	1/5W
R61	1-249-390-11	CARBON MELF	5.6	5%	1/5W
R63	1-249-390-11	CARBON MELF	5.6	5%	1/5W
R100	1-249-429-11	CARBON MELF	10K	5%	1/5W
R101	1-216-288-11	METAL GLAZE	5.6M	5%	1/8W
R102	1-249-426-11	CARBON MELF	5.6K	5%	1/5W
R103	1-249-433-11	CARBON MELF	22K	5%	1/5W
R104	1-249-437-11	CARBON MELF	47K	5%	1/5W
R105	1-249-431-11	CARBON MELF	15K	5%	1/5W
R106	1-249-413-11	CARBON MELF	470	5%	1/5W
R108	1-249-408-11	CARBON MELF	180	5%	1/5W
R109	1-215-485-00	CARBON MELF	470K	5%	1/5W
R110	1-249-425-11	CARBON MELF	4.7K	5%	1/5W
R200	1-249-429-11	CARBON MELF	10K	5%	1/5W
R201	1-216-288-11	METAL GLAZE	5.6M	5%	1/8W
R202	1-249-426-11	CARBON MELF	5.6K	5%	1/5W
R203	1-249-433-11	CARBON MELF	22K	5%	1/5W
R204	1-249-437-11	CARBON MELF	47K	5%	1/5W
R205	1-249-431-11	CARBON MELF	15K	5%	1/5W
R206	1-249-413-11	CARBON MELF	470	5%	1/5W
R208	1-249-408-11	CARBON MELF	180	5%	1/5W
R209	1-215-485-00	CARBON MELF	470K	5%	1/5W
R210	1-249-425-11	CARBON MELF	4.7K	5%	1/5W
R301	1-249-405-11	CARBON MELF	100	5%	1/5W
R304	1-249-441-11	CARBON MELF	100K	5%	1/5W
R305	1-249-399-11	CARBON MELF	33	5%	1/5W
R306	1-249-399-11	CARBON MELF	33	5%	1/5W
R401	1-216-182-00	METAL GLAZE	220	5%	1/8W
R402	1-216-182-00	METAL GLAZE	220	5%	1/8W
R403	1-216-182-00	METAL GLAZE	220	5%	1/8W
R500	1-216-198-00	METAL GLAZE	1K	5%	1/8W
R502	1-216-222-00	METAL GLAZE	10K	5%	1/8W
R503	1-216-222-00	METAL GLAZE	10K	5%	1/8W
R505	1-216-222-00	METAL GLAZE	10K	5%	1/8W
R506	1-216-214-00	CARBON MELF	4.7K	5%	1/8W
R507	1-216-222-00	METAL GLAZE	10K	5%	1/8W
R508	1-216-222-00	METAL GLAZE	10K	5%	1/8W
R516	1-216-222-00	METAL GLAZE	10K	5%	1/8W
R518	1-216-222-00	METAL GLAZE	10K	5%	1/8W
R519	1-216-222-00	METAL GLAZE	10K	5%	1/8W
R520	1-216-222-00	METAL GLAZE	10K	5%	1/8W
R521	1-216-222-00	METAL GLAZE	10K	5%	1/8W
R530	1-216-182-00	METAL GLAZE	220	5%	1/8W
R531	1-216-198-00	METAL GLAZE	1K	5%	1/8W
R532	1-216-270-00	METAL GLAZE	1M	5%	1/8W
R533	1-216-222-00	METAL GLAZE	10K	5%	1/8W
R534	1-216-246-00	METAL GLAZE	100K	5%	1/8W
R535	1-216-246-00	METAL GLAZE	100K	5%	1/8W
R536	1-216-246-00	METAL GLAZE	100K	5%	1/8W
R537	1-216-246-00	METAL GLAZE	100K	5%	1/8W
R540	1-216-238-00	METAL GLAZE	1K	5%	1/8W
R541	1-216-222-00	METAL GLAZE	10K	5%	1/8W
R542	1-216-222-00	METAL GLAZE	10K	5%	1/8W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R543	1-216-198-00	METAL GLAZE	1K	5%	1/8W
R544	1-216-230-00	METAL GLAZE	22K	5%	1/8W
R545	1-216-198-00	METAL GLAZE	1K	5%	1/8W
R546	1-216-230-00	METAL GLAZE	22K	5%	1/8W
R704	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R705	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R706	1-216-238-00	METAL GLAZE	47K	5%	1/8W
R707	1-216-190-00	METAL GLAZE	470	5%	1/8W
R708	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R709	1-216-198-00	METAL GLAZE	1K	5%	1/8W
R710	1-216-238-00	METAL GLAZE	47K	5%	1/8W
R711	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R713	1-214-792-00	METAL	1	1%	1/2W
R714	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W
R801	1-247-855-11	CARBON	10K	5%	1/4W
R802	1-247-839-11	CARBON	2.2K	5%	1/4W
R803	1-247-839-11	CARBON	2.2K	5%	1/4W
R804	1-247-839-11	CARBON	2.2K	5%	1/4W
R805	1-247-807-11	CARBON	100	5%	1/4W
R806	1-247-855-11	CARBON	10K	5%	1/4W
R807	1-247-747-11	CARBON	470	5%	1/4W
R808	1-247-855-11	CARBON	10K	5%	1/4W
R809	1-247-847-11	CARBON	4.7K	5%	1/4W
R810	1-247-847-11	CARBON	4.7K	5%	1/4W
R811	1-247-855-11	CARBON	10K	5%	1/4W
R812	1-247-839-11	CARBON	2.2K	5%	1/4W
R813	1-247-831-11	CARBON	1K	5%	1/4W
R814	1-247-831-11	CARBON	1K	5%	1/4W
R815	1-247-807-11	CARBON	100	5%	1/4W
R816	1-247-807-11	CARBON	100	5%	1/4W
R819	1-247-863-11	CARBON	22K	5%	1/4W
R820	1-247-863-11	CARBON	22K	5%	1/4W
R821	1-247-847-11	CARBON	4.7K	5%	1/4W
R822	1-247-847-11	CARBON	4.7K	5%	1/4W
R823	1-247-843-11	CARBON	3.3K	5%	1/4W
R824	1-247-843-11	CARBON	3.3K	5%	1/4W
R826	1-247-831-11	CARBON	1K	5%	1/4W
R828	1-247-823-11	CARBON	470	5%	1/4W
R829	1-247-789-11	CARBON	18	5%	1/4W
R830	1-247-789-11	CARBON	18	5%	1/4W
R831	1-247-863-11	CARBON	22K	5%	1/4W
R832	1-247-871-11	CARBON	47K	5%	1/4W
R833	1-247-871-11	CARBON	47K	5%	1/4W
R834	1-247-855-11	CARBON	33K	5%	1/4W
R835	1-247-839-11	CARBON	4.7K	5%	1/4W
R836	1-247-855-11	CARBON	10K	5%	1/4W
R837	1-247-839-11	CARBON	2.2K	5%	1/4W
R838	1-216-379-11	METAL OXIDE	6.8	5%	1/4W
R839	1-247-831-11	CARBON	1K	5%	1/4W
R840	1-247-863-11	CARBON	22K	5%	1/4W
R841	1-247-847-11	CARBON	2.2K	5%	1/4W
R842	1-247-847-11	CARBON	4.7K	5%	1/4W
R843	1-247-839-11	CARBON	2.2K	5%	1/4W
R844	1-247-839-11	CARBON	2.2K	5%	1/4W
RV1	1-228-995-00	RES, ADJ, CARBON 22K			
RV2	1-228-996-00	RES, ADJ, CARBON 47K			
RV3	1-228-995-00	RES, ADJ, CARBON 22K			
RV4	1-228-995-00	RES, ADJ, CARBON 22K			
RV5	1-228-991-00	RES, ADJ, CARBON 2.2K			
RY801	1-515-614-11	RELAY DF RELAY			
SW1	1-553-831-11	SWITCH, SLIDE (DIMMER)			
SW2	1-570-827-11	SWITCH, TACT (RESET)			

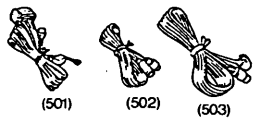
ELECTRICAL PARTS

Ref.No.	Part No.	Description
S902	1-554-938-11	SWITCH, LEAF (LIMIT)
SW101	1-554-813-41	SWITCH, KEY BOARD (EJECT▲)
SW102	1-570-503-11	SWITCH, MICRO (CBP)
SW103	1-570-502-11	SWITCH, MICRO (M1)
SW104	1-570-504-11	SWITCH, MICRO (HOME)
SW105	1-570-504-11	SWITCH, MICRO (LOT)
SW106	1-570-504-11	SWITCH, MICRO (PST)
SW107	1-570-504-11	SWITCH, MICRO (EJECT)
TH1	1-807-776-11	THERMISTOR ERT-D2FHJ802T
TH2	1-807-776-11	THERMISTOR ERT-D2FHJ802T
THP501	1-807-368-11	THERMISTOR PTH59F04BG222TS
VDR801	1-807-601-21	VARISTOR ERZ-C14DK220
X2	1-567-820-11	VIBRATOR, CRYSTAL 16MHZ
X501	1-567-775-11	VIBRATOR, CERAMIC 4.19MHZ

ACCESSORY & PACKING MATERIAL

	1-465-177-11	REMOTE COMMANDER
	1-465-155-21	REMOTE COMMANDER
*	3-354-713-01	CUSHION (LOWER)
*	3-354-712-01	CUSHION (UPPER)
*	3-354-733-01	INDIVIDUAL CARTON
	3-750-563-21	MANUAL, INSTRUCTION
	A-4675-162-B	MAGAZINE ASSY

SUPPLIED MOUNTING HARDWARE



504 505 506 507

501	1-574-560-11	CORD (WITH CONNECTOR)
502	1-574-561-11	CORD (WITH CONNECTOR)
503	1-574-562-11	CORD (WITH CONNECTOR)
504	7-628-254-00	SCREW +PS 2.6X5
505	4-304-511-00	NUT, FLANGE
506	2-116-401-01	SCREW (M5X12)
507	7-685-672-19	SCREW +BVTP 5X12 TYPE 2 N-S

ELECTRICAL PARTS

Ref.No.	Part No.	Description		
		• **REMOTE COMMANDER SECTION**		
923	1-574-298-11	CORD (WITH CONNECTOR)		
C1	1-163-235-11	CERAMIC CHIP 22PF	5%	50V
C2	1-163-037-11	CERAMIC CHIP 0.022MF	10%	50%
C3	1-135-098-11	TANTAL, CHIP 47MF	20%	10V
C4	1-135-083-11	TANTAL CHIP 0.47MF		25V
C5	1-163-243-11	CERAMIC CHIP 47PF	5%	50V
C6	1-163-243-11	CERAMIC CHIP 47PF	5%	50V
C7	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C8	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C9	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
D1	8-719-911-19	DIODE 1SS119		
D2	8-719-911-19	DIODE 1SS119		
D3	8-719-800-76	DIODE 1SS226		
IC1	8-759-112-04	IC UPD7514G-238		
IC2	8-759-200-80	IC TC4050BF		
IC3	8-759-200-82	IC TC4069UBF		
IC4	8-759-209-97	IC TC4S81F		
IC5	8-759-209-97	IC TC4S81F		
LCD1	1-808-605-11	DISPLAY PANEL, LIQUID CRYSTAL		
PL1	9-995-859-01	LAMP, PILOT		
PL2	9-995-859-01	LAMP, PILOT		
PL3	9-995-858-01	LAMP, PILOT		
PL4	9-995-858-01	LAMP, PILOT		
PL5	9-995-858-01	LAMP, PILOT		
PL6	9-995-858-01	LAMP, PILOT		
PL7	9-995-858-01	LAMP, PILOT		
PL8	9-995-858-01	LAMP, PILOT		
R1	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R2	1-216-084-00	METAL GLAZE 30K	5%	1/10W
R3	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R4	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R5	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R6	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R7	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R10	1-216-097-00	METAL GLAZE 100K	5%	1/10W
R11	1-216-097-00	METAL GLAZE 100K	5%	1/10W
R12	1-216-105-00	METAL GLAZE 220K	5%	1/10W
R13	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R14	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R15	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R16	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R17	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R18	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R19	1-216-084-00	METAL GLAZE 30K	5%	1/10W
R20	1-216-085-00	METAL GLAZE 4.7K	5%	1/10W
S1	1-571-749-11	SWITCH, KEY BOARD (▶II)		
S2	1-571-749-11	SWITCH, KEY BOARD (OFF)		
S3	1-571-749-11	SWITCH, KEY BOARD (DISC(-))		
S4	1-571-749-11	SWITCH, KEY BOARD (DISC(+))		
S5	1-571-749-11	SWITCH, KEY BOARD (AMS I◀◀)		
S6	1-571-749-11	SWITCH, KEY BOARD (AMS ▶▶I)		
TR1	8-729-807-50	TRANSISTOR 2SD1623		
X1	1-527-990-00	VIBRATOR, CRYSTAL (32.768kHz)		

9-953-945-11

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SONY
SERVICE MANUAL

US Model

CORRECTION-1

Correct your service manual as shown below.

☛ : **indicates corrected portion.**

Page	INCORRECT			CORRECT	
	No.	Part No.	Description	Part No.	Description
32	1	9-995-855-01	CASE ASSY (LOWER)	9-955-855-01 ☛	CASE ASSY (LOWER)
	2	9-995-856-01	CASE ASSY (UPPER)	9-955-856-01 ☛	CASE ASSY (UPPER)
	923	9-995-854-01	CORD (WITH CONNECTOR)	9-955-854-01 ☛	CORD (WITH CONNECTOR)

(RPC-94032)

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Mobile Electronics Company

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